

## Step-down DC-DC Converters 12V/24V to 5V Series

### DC12V/24V to DC5V 3A Power Converters 15W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-35V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Plastic shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**

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#### Specifications

Model	T1224S0503
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	93% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	3 Amps
Output rated power	15 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	63*32*18mm
Package size	89*72*30mm
N. Weight	55g
W. Weight	60g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V/24V to DC5V 5A Power Converters 25W

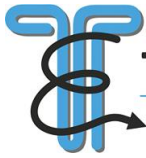
### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-35V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Plastic shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0505
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	93% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	5 Amps
Output rated power	25 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	63*32*18mm
Package size	89*72*30mm
N. Weight	55g
W. Weight	60g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing



## DC12V/24V to DC5V 10A Power Converters 50W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-35V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Plastic shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0510-S
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	93% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	10 Amps
Output rated power	50 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	63*32*18mm
Package size	89*72*30mm
N. Weight	55g
W. Weight	60g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Box packing

**DC12V/24V to DC5V 10A Power Converters 50W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-35V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T1224S0510
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	93% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	5 Amps
Output rated power	25 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V/24V to DC5V 15A Power Converters 75W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0515
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	15 Amps
Output rated power	75 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V/24V to DC5V 20A Power Converters 100W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0520
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	20 Amps
Output rated power	100 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V/24V to DC5V 30A Power Converters 150W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC5V step-down converter, efficiency up to 91%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0530
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	93% (half load) ; 91% (full load)
Output voltage	5V DC
Output current	30 Amps
Output rated power	150 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	310g
W. Weight	320g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V/24V to DC5V 50A Power Converters 250W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC5V step-down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0550
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	5V DC
Output current	50 Amps
Output rated power	250 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 40mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V/24V to DC5V 60A Power Converters 300W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC5V step-down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T1224S0560
Input rated voltage	12V / 24V DC
Input voltage range	8-36V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	5V DC
Output current	60 Amps
Output rated power	300 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 40mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-down DC-DC Converters 24V to 12V Series

### DC24V to DC12V 1.5A Power Converters 18W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC16-36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Plastic shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T24S121R5
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	1.5 Amps
Output rated power	18 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	63*32*18mm
Package size	89*72*30mm
N. Weight	55g
W. Weight	60g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 3A Power Converters 36W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC16-36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Plastic shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1203-S
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	3 Amps
Output rated power	36 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	63*32*18mm
Package size	89*72*30mm
N. Weight	55g
W. Weight	60g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 5A Power Converters 60W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC16-36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Plastic shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1205-S
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	5 Amps
Output rated power	60 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	63*32*18mm
Package size	89*72*30mm
N. Weight	55g
W. Weight	60g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 5A Power Converters 60W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1205
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	5 Amps
Output rated power	60 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 8A Power Converters 96W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1208
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	8 Amps
Output rated power	96 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 10A Power Converters 120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1210
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	10 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 15A Power Converters 180W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1215
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	15 Amps
Output rated power	180 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 20A Power Converters 240W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 16-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1220
Input rated voltage	24V DC
Input voltage range	16-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	20 Amps
Output rated power	240 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 30A Power Converters 360W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1230
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	12V DC
Output current	30 Amps
Output rated power	360 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC24V to DC12V 40A Power Converters 480W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T24S1240
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	12V DC
Output current	40 Amps
Output rated power	480 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	480g
W. Weight	510g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC12V 50A Power Converters 600W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1250
Input rated voltage	24V DC
Input voltage range	18-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	50 Amps
Output rated power	600 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

**DC24V to DC12V 60A Power Converters 720W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T24S1260
Input rated voltage	24V DC
Input voltage range	18-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	60 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC24V to DC12V 85A Power Converters 1020W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1285
Input rated voltage	24V DC
Input voltage range	18-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	85 Amps
Output rated power	1020 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-down DC-DC Converters 24V to 13.8V Series

### DC24V to DC13.8V 5A Power Converters 69W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T24S13R805
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	13.8V DC
Output current	5 Amps
Output rated power	69 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC13.8V 10A Power Converters 138W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S13R810
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	13.8V DC
Output current	10 Amps
Output rated power	138 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC24V to DC13.8V 15A Power Converters 207W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T24S13R815
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	15 Amps
Output rated power	207 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC13.8V 20A Power Converters 276W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S13R820
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	13.8V DC
Output current	20 Amps
Output rated power	276 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC13.8V 30A Power Converters 414W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S13R830
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	13.8V DC
Output current	30 Amps
Output rated power	414 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC24V to DC13.8V 40A Power Converters 552W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T24S13R840
Input rated voltage	24V DC
Input voltage range	18-36V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	13.8V DC
Output current	40 Amps
Output rated power	552 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	480g
W. Weight	510g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC13.8V 50A Power Converters 690W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S13R850
Input rated voltage	24V DC
Input voltage range	18-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	13.8V DC
Output current	50 Amps
Output rated power	690 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC24V to DC13.8V 60A Power Converters 828W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 18-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC13.8V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S13R860
Input rated voltage	24V DC
Input voltage range	18-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	13.8V DC
Output current	60 Amps
Output rated power	828 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-down DC-DC Converters 36V to 12V Series

### DC36V to DC12V 5A Power Converters 60W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 30-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T36S1205
Input rated voltage	36V DC
Input voltage range	30-50V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	5 Amps
Output rated power	60 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC36V to DC12V 10A Power Converters 120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 30-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T36S1210
Input rated voltage	36V DC
Input voltage range	30-50V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	10 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC36V to DC12V 15A Power Converters 180W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 30-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T36S1215
Input rated voltage	36V DC
Input voltage range	30-50V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	15 Amps
Output rated power	180 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC36V to DC12V 20A Power Converters 240W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 30-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T36S1220
Input rated voltage	36V DC
Input voltage range	30-50V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	20 Amps
Output rated power	240 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC36V to DC12V 30A Power Converters 360W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 28-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T36S1230
Input rated voltage	36V DC
Input voltage range	28-50V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	12V DC
Output current	30 Amps
Output rated power	360 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC36V to DC12V 50A Power Converters 600W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 28-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T36S1250
Input rated voltage	36V DC
Input voltage range	28-50V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	50 Amps
Output rated power	600 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC36V to DC12V 60A Power Converters 720W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 28-50Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC36V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T36S1260
Input rated voltage	36V DC
Input voltage range	28-50V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	60 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-down DC-DC Converters 48V to 12V Series

### DC48V to DC12V 5A Power Converters 60W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T48S1205
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	5 Amps
Output rated power	60 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC12V 10A Power Converters 120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S1210
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	10 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC48V to DC12V 15A Power Converters 180W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T48S1215
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	15 Amps
Output rated power	180 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC48V to DC12V 20A Power Converters 240W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T48S1220
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	12V DC
Output current	20 Amps
Output rated power	240 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC48V to DC12V 30A Power Converters 360W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T48S1230
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	12V DC
Output current	30 Amps
Output rated power	360 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC48V to DC12V 50A Power Converters 600W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T48S1250
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	50 Amps
Output rated power	600 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC48V to DC12V 60A Power Converters 720W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC12V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S1260
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	12V DC
Output current	60 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-down DC-DC Converters 48V to13.8V Series

### DC48V to DC13.8V 5A Power Converters 69W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T48S13R805
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	13.8V DC
Output current	5 Amps
Output rated power	69 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC13.8V 10A Power Converters 138W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S13R810
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	13.8V DC
Output current	10 Amps
Output rated power	138 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC13.8V 15A Power Converters 207W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S13R815
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	13.8V DC
Output current	15 Amps
Output rated power	207 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC13.8V 20A Power Converters 276W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S13R820
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	13.8V DC
Output current	20 Amps
Output rated power	276 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC13.8V 30A Power Converters 414W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S13R830
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	13.8V DC
Output current	30 Amps
Output rated power	414 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC48V to DC13.8V 50A Power Converters 690W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T48S13R850
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	13.8V DC
Output current	50 Amps
Output rated power	690 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC48V to DC13.8V 60A Power Converters 828W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC13.8V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S13R860
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	13.8V DC
Output current	60 Amps
Output rated power	828 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-down DC-DC Converters 48V to 24V Series

### DC48V to DC24V 3A Power Converters 72W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC24V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T48S2403
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	24V DC
Output current	3 Amps
Output rated power	72 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC24V 5A Power Converters 120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC24V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S2405
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	24V DC
Output current	5 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC24V 10A Power Converters 240W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC24V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S2410
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	24V DC
Output current	10 Amps
Output rated power	240 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC24V 20A Power Converters 480W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC24V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S2420
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 95% (full load)
Output voltage	24V DC
Output current	20 Amps
Output rated power	480 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC24V 30A Power Converters 720W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC24V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S2430
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	24V DC
Output current	30 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 120mV
No-load current	< 50mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	490g
W. Weight	520g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-down DC-DC Converters 24V to 19V Series

### DC24V to DC19V 5A Power Converters 95W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC19V step-down converter, efficiency up to 95%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T24S1905
Input rated voltage	24V DC
Input voltage range	20-36V DC
Efficiency	96% (half load) ; 95% (full load)
Output voltage	19V DC
Output current	5 Amps
Output rated power	95 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 15mV
No-load current	< 10mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC19V 8A Power Converters 152W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC19V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1908
Input rated voltage	24V DC
Input voltage range	20-36V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	19V DC
Output current	8 Amps
Output rated power	152 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC19V 10A Power Converters 190W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-36Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC19V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S1910
Input rated voltage	24V DC
Input voltage range	20-36V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	19V DC
Output current	10 Amps
Output rated power	190 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over Voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-down DC-DC Converters 60V to 12V Series

### DC60V to DC12V 5A Power Converters 60W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 40-75Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC60V to DC12V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T60S1205
Input rated voltage	60V DC
Input voltage range	40-75V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	5 Amps
Output rated power	60 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC60V to DC12V 10A Power Converters 120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 40-75Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC60V to DC12V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T60S1210
Input rated voltage	60V DC
Input voltage range	40-75V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	10 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC60V to DC12V 15A Power Converters 180W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 40-75Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC60V to DC12V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T60S1215
Input rated voltage	60V DC
Input voltage range	40-75V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	12V DC
Output current	15 Amps
Output rated power	180 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-down DC-DC Converters 48V to 5V Series

### DC48V to DC5V 10A Power Converters 50W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T48S0510
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	10 Amps
Output rated power	50 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC5V 15A Power Converters 75W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S0515
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	15 Amps
Output rated power	75 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC5V 20A Power Converters 100W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC5V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S0520
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	5V DC
Output current	20 Amps
Output rated power	100 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-down DC-DC Converters 48V to 19V Series

### DC48V to DC19V 5A Power Converters 95W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC19V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T48S1905
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	19V DC
Output current	5 Amps
Output rated power	95 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC19V 8A Power Converters 152W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC19V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S1908
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	19V DC
Output current	8 Amps
Output rated power	152 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC48V to DC19V 10A Power Converters 190W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 35-60Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC48V to DC19V step-down converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T48S1910
Input rated voltage	48V DC
Input voltage range	35-60V DC
Efficiency	96% (half load) ; 94% (full load)
Output voltage	19V DC
Output current	10 Amps
Output rated power	190 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 50mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-down DC-DC Converters 60V to 24V Series

### DC60V to DC24V 5A Power Converters 120W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 40-75Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC60V to DC24V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T60S2405
Input rated voltage	60V DC
Input voltage range	40-75V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	24V DC
Output current	5 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC60V to DC24V 10A Power Converters 240W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 40-75Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC60V to DC24V step-down converter, efficiency up to 92%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Over-load and Short-circuit, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

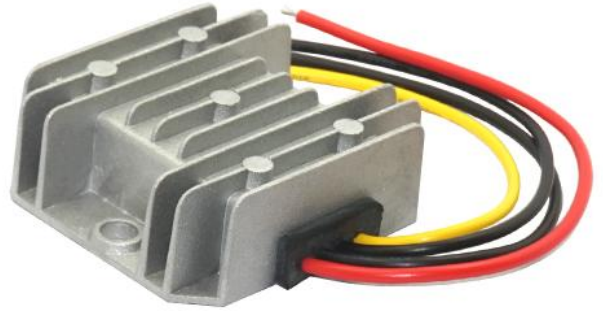
Model	T60S2410
Input rated voltage	60V DC
Input voltage range	40-75V DC
Efficiency	94% (half load) ; 92% (full load)
Output voltage	19V DC
Output current	10 Amps
Output rated power	190 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 100mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-up DC-DC Converters 12V to 24V Series

### DC12V to DC24V 1A Power Converters 24W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



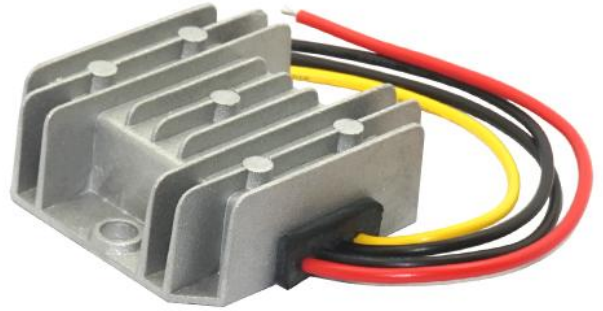
#### Specifications

Model	T12S2401
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	24V DC
Output current	1 Amps
Output rated power	24 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC24V 2A Power Converters 48W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



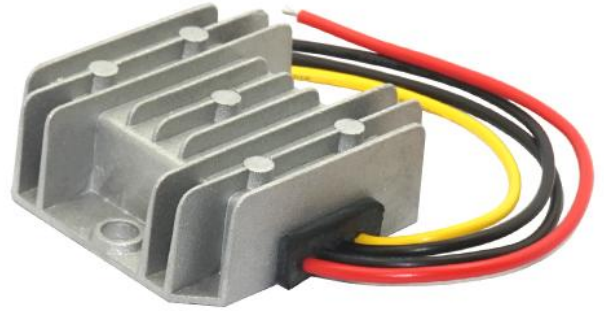
### Specifications

Model	T12S2402
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	24V DC
Output current	2 Amps
Output rated power	48 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC24V 3A Power Converters 72W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2403
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	24V DC
Output current	3 Amps
Output rated power	72 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC24V 5A Power Converters 120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2405
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	24V DC
Output current	5 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC24V 8A Power Converters 192W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2408
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	24V DC
Output current	8 Amps
Output rated power	192 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC24V 10A Power Converters 240W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2410
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	24V DC
Output current	10 Amps
Output rated power	240 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC12V to DC24V 15A Power Converters 360W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-23Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T12S2415
Input rated voltage	12V DC
Input voltage range	10-23V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	24V DC
Output current	15 Amps
Output rated power	360 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC12V to DC24V 20A Power Converters 480W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-23Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T12S2420
Input rated voltage	12V DC
Input voltage range	10-23V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	24V DC
Output current	20 Amps
Output rated power	480 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC12V to DC24V 25A Power Converters 600W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-20Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T12S2425
Input rated voltage	12V DC
Input voltage range	10-20V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	24V DC
Output current	25 Amps
Output rated power	600 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC24V 30A Power Converters 720W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-20Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2430
Input rated voltage	12V DC
Input voltage range	10-20V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	24V DC
Output current	30 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC24V 40A Power Converters 960W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-20Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC24V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2440
Input rated voltage	12V DC
Input voltage range	10-20V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	24V DC
Output current	40 Amps
Output rated power	960 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 230mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit,
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-up DC-DC Converters 12V to 19V Series

### DC12V to DC19V 5A Power Converters 95W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC19V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T12S1905
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	19V DC
Output current	5 Amps
Output rated power	95 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC19V 8A Power Converters 152W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC19V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S1908
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	19V DC
Output current	8 Amps
Output rated power	152 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC19V 10A Power Converters 190W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC19V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S1910
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	19V DC
Output current	10 Amps
Output rated power	190 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC19V 15A Power Converters 285W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-19Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC19V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S1915
Input rated voltage	12V DC
Input voltage range	10-19V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	19V DC
Output current	15 Amps
Output rated power	285 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC19V 20A Power Converters 380W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-19Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC19V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

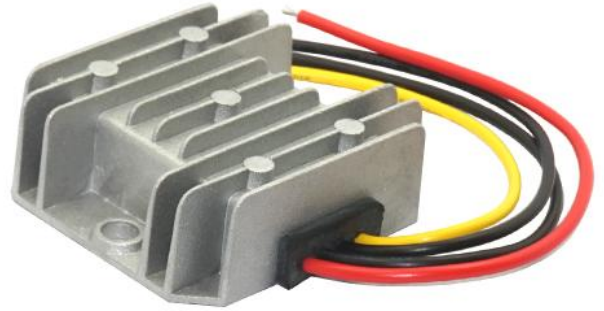
Model	T12S1920
Input rated voltage	12V DC
Input voltage range	10-19V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	19V DC
Output current	20 Amps
Output rated power	380 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-up DC-DC Converters 12V to 28V Series

### DC12V to DC28V 3A Power Converters 84W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T12S2803
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	28V DC
Output current	3 Amps
Output rated power	84 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC28V 5A Power Converters 140W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2805
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	28V DC
Output current	5 Amps
Output rated power	140 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC28V 8A Power Converters 224W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2808
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	28V DC
Output current	8 Amps
Output rated power	224 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC28V 10A Power Converters 280W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2810
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	28V DC
Output current	10 Amps
Output rated power	280 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC28V 15A Power Converters 420W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2815
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	28V DC
Output current	15 Amps
Output rated power	420 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC28V 20A Power Converters 560W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2820
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	28V DC
Output current	20 Amps
Output rated power	560 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC28V 30A Power Converters 840W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S2830
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	28V DC
Output current	30 Amps
Output rated power	840 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC28V 40A Power Converters 1120W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC28V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

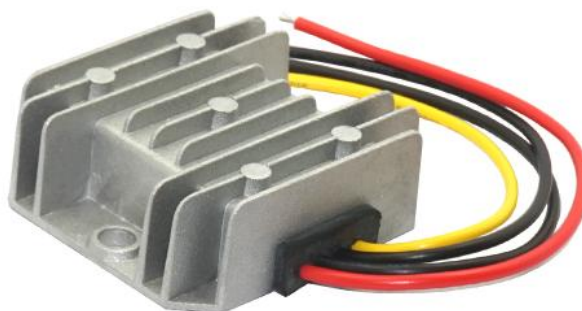
Model	T12S2840
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	28V DC
Output current	40 Amps
Output rated power	1120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 230mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit,
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-up DC-DC Converters 12V to 36V Series

### DC12V to DC36V 1A Power Converters 36W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



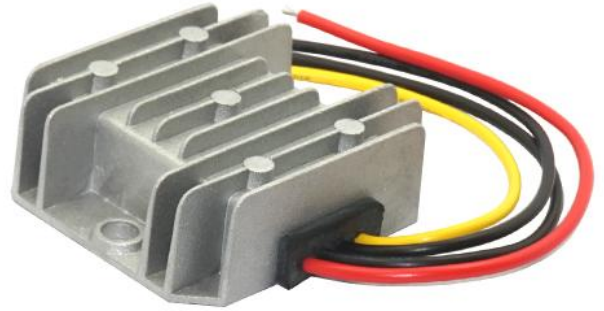
#### Specifications

Model	T12S3601
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	36V DC
Output current	1 Amps
Output rated power	36 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC36V 2A Power Converters 72W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S3602
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	36V DC
Output current	2 Amps
Output rated power	72 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC36V 3A Power Converters 108W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S3603
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	36V DC
Output current	3 Amps
Output rated power	108 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC36V 5A Power Converters 180W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S3605
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	36V DC
Output current	5 Amps
Output rated power	180 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC36V 6A Power Converters 216W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S3606
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	36V DC
Output current	6 Amps
Output rated power	216 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	300g
W. Weight	310g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC12V to DC36V 10A Power Converters 360W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T12S3610
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	36V DC
Output current	10 Amps
Output rated power	360 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC36V 20A Power Converters 720W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S3620
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	36V DC
Output current	20 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC36V 30A Power Converters 1080W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC36V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

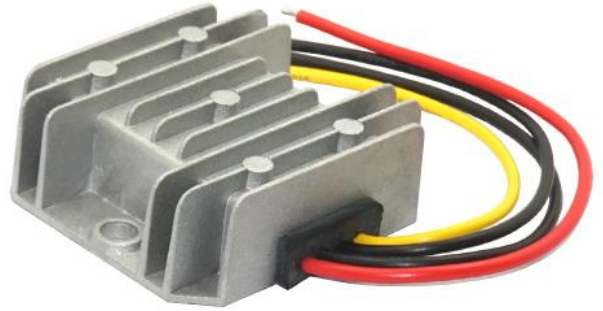
Model	T12S3630
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	36V DC
Output current	30 Amps
Output rated power	1080 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 230mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit,
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-up DC-DC Converters 12V to 48V Series

### DC12V to DC48V 1A Power Converters 48W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



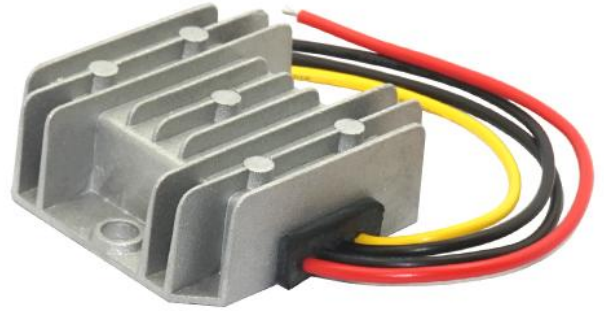
#### Specifications

Model	T12S4801
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	48V DC
Output current	1 Amps
Output rated power	48 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC48V 2A Power Converters 96W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-up converter, efficiency up to 93%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load,  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S4802
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 93% (full load)
Output voltage	48V DC
Output current	2 Amps
Output rated power	96 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC48V 3A Power Converters 144W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-16Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S4803
Input rated voltage	12V DC
Input voltage range	9-16V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	48V DC
Output current	3 Amps
Output rated power	144 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC12V to DC48V 8A Power Converters 384W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

Model	T12S4808
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	8 Amps
Output rated power	384 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC12V to DC48V 10A Power Converters 480W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S4810
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	10 Amps
Output rated power	480 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC48V 15A Power Converters 720W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S4815
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	15 Amps
Output rated power	720 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC12V to DC48V 20A Power Converters 960W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 10-25Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC12V to DC48V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T12S4820
Input rated voltage	12V DC
Input voltage range	10-25V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	20 Amps
Output rated power	960 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 230mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit,
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-up DC-DC Converters 24V to 48V Series

### DC24V to DC48V 3A Power Converters 144W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC48V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T24S4803
Input rated voltage	24V DC
Input voltage range	20-35V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	48V DC
Output current	3 Amps
Output rated power	144 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC48V 5A Power Converters 240W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC48V step-up converter, efficiency up to 94%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S4805
Input rated voltage	24V DC
Input voltage range	20-35V DC
Efficiency	95% (half load) ; 94% (full load)
Output voltage	48V DC
Output current	5 Amps
Output rated power	240 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC48V 10A Power Converters 480W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC48V step-up converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S4810
Input rated voltage	24V DC
Input voltage range	20-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	10 Amps
Output rated power	480 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	100*80*39mm
Package size	126*91*46mm
N. Weight	470g
W. Weight	500g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC24V to DC48V 20A Power Converters 960W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC48V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S4820
Input rated voltage	24V DC
Input voltage range	20-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	20 Amps
Output rated power	960 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 180mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	180*127*63mm
Package size	230*152*100mm
N. Weight	1.55kg
W. Weight	1.62kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC24V to DC48V 30A Power Converters 1440W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC48V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T24S4830
Input rated voltage	24V DC
Input voltage range	20-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	30 Amps
Output rated power	1440 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## DC24V to DC48V 40A Power Converters 1920W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 20-35Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC24V to DC48V step-down converter, efficiency up to 96%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature and Over-load  
Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

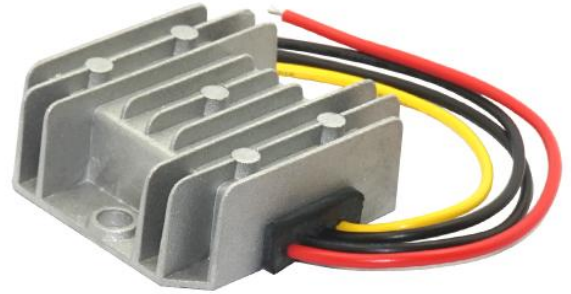
Model	T24S4840
Input rated voltage	24V DC
Input voltage range	20-35V DC
Efficiency	97% (half load) ; 96% (full load)
Output voltage	48V DC
Output current	40 Amps
Output rated power	1920 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 230mV
No-load current	< 30mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Short-circuit,
Machine size	265*127*63mm
Package size	300*152*100mm
N. Weight	2.3kg
W. Weight	2.4kg
Cooling way	Free air convection
Certifications	CE, RoHS
Other	Carton packing

## Step-up/down DC-DC Converters 8-40V to 12V Series

### DC8-40V to DC12V 1A Power Converters 12W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC12V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



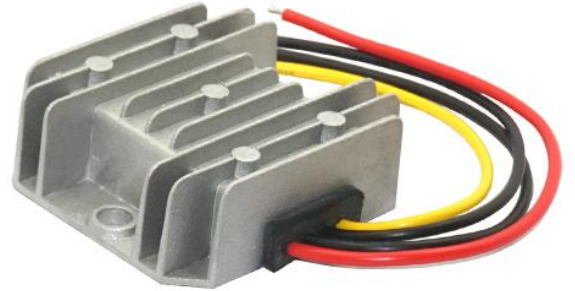
#### Specifications

Model	T8-40S1201
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	12V DC
Output current	1 Amps
Output rated power	12 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC8-40V to DC12V 2A Power Converters 24W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC12V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



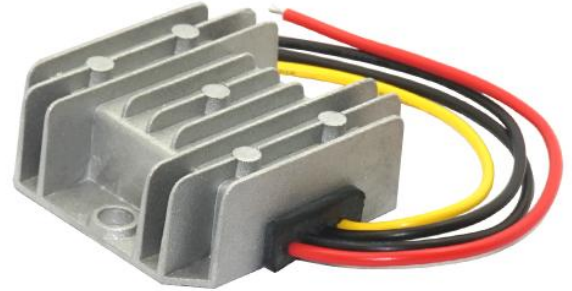
### Specifications

Model	T8-40S1202
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	12V DC
Output current	2 Amps
Output rated power	24 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC8-40V to DC12V 3A Power Converters 36W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC12V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T8-40S1203
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	12V DC
Output current	3 Amps
Output rated power	36 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 200mV
No-load current	< 20mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC8-40V to DC12V 6A Power Converters 72W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC12V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T8-40S1206
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	12V DC
Output current	6 Amps
Output rated power	72 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

**DC8-40V to DC12V 10A Power Converters 120W**

**Features**

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC12V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



**Specifications**

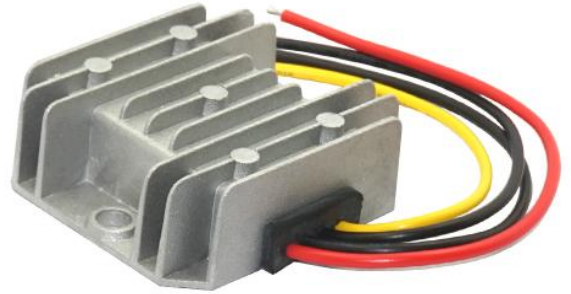
Model	T8-40S1210
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	12V DC
Output current	10 Amps
Output rated power	120 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-up/down DC-DC Converters 8-40V to 13.8V Series

### DC8-40V to DC13.8V 3A Power Converters 41W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC13.8V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T8-40S13R803
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	13.8V DC
Output current	3 Amps
Output rated power	41 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC8-40V to DC13.8V 5A Power Converters 69W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC13.8V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T8-40S13R805
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	13.8V DC
Output current	5 Amps
Output rated power	69 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC8-40V to DC13.8V 10A Power Converters 138W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 8-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC8-40V to DC13.8V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

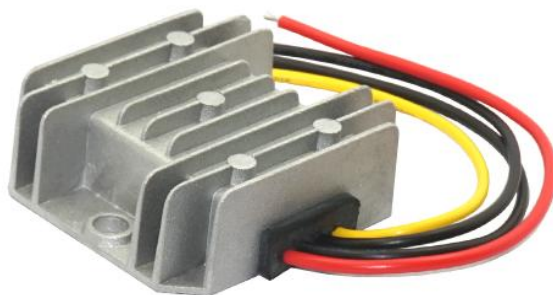
Model	T8-40S13R810
Input rated voltage	9V/12V/24V/36V DC
Input voltage range	8-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	13.8V DC
Output current	10 Amps
Output rated power	138 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## Step-up/down DC-DC Converters 9-40V to 24V Series

### DC9-40V to DC24V 2A Power Converters 48W

#### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC9-40V to DC24V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



#### Specifications

Model	T9-40S2402
Input rated voltage	12V/24V/36V DC
Input voltage range	9-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	24V DC
Output current	2 Amps
Output rated power	48 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	57*64*22mm
Package size	89*72*30mm
N. Weight	125g
W. Weight	135g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing

## DC9-40V to DC24V 6A Power Converters 144W

### Features

1. 100% full power & stable current output
2. 100% Imported components
3. Wide input voltage from 9-40Vdc
4. 100% waterproof & anti-shock protection, Ultra compact size, light weight
5. Industry grade DC9-40V to DC24V step-up/down converter, efficiency up to 90%
6. **Certificates: CE/RoHS**
7. **Waterproof level: IP68**
8. Die-cast aluminum shell, epoxy potting, Cooling by free air convection,
9. Protections: Over-current, Over-voltage, Over-temperature, Short-circuit and Over-load, Auto-recovery when device is back to normal operating
10. **Non-Isolated Module**
11. **1 year warranty, lifetime up to 100,000 hours.**



### Specifications

Model	T9-40S2406
Input rated voltage	12V/24V/36V DC
Input voltage range	9-40V DC
Efficiency	92% (half load) ; 90% (full load)
Output voltage	24V DC
Output current	6 Amps
Output rated power	144 Watts
Output peak power	125%
Voltage regulation	< 1%
Load regulation	< 2%
Ripple (full load test)	< 150mV
No-load current	< 25mA
Working Temperature	-40°C ~ +80°C
Waterproof rating	IP 68
Protections	Over-load, Over-current, Over-temperature, Over-voltage, Short-circuit
Machine size	74*74*32mm
Package size	98*82*34mm
N. Weight	290g
W. Weight	300g
Cooling way	Free air convection
Certifications	CE, RoHS
Other	White box packing