

Energy



Tamuz Electronics

Energy Smart Technologies



Leading in the development of safe, reliable and unique custom design solutions of power systems and hardware products.

Our solutions:

Tamuz Electronics Ltd. develops unique and custom design solutions of primary, rechargeable and SMBus batteries, wall mount, desktop and open-frame medical grade power supplies, smart and multichannel chargers, hospital grade power cords and medical wiring harnesses according to the medical and safety standards as well as to our medical OEM customers' requirements.

Throughout the medical projects, we offer our customers a wide range of complete products and services, such as battery design, assembly and testing, unique chargers development, medical cables, rapid prototypes development, strong technical support, professional counseling and pre-compliance testing and approvals according to the medical and safety standards.

The company's Quality Management System is in compliance with the requirements of the latest ISO-9001 standard.

Furthermore, the company provides batteries safety testing & certification services according to UL, REACH, RoHS, IEC-62133 and UN standard requirements.

Markets and Applications:

Tamuz provides comprehensive technical support and products to a wide range of Medical devices OEMs, which develop a solution for markets and applications, such as: diagnostic monitoring, disposable and implantable, drug delivery devices, elderly care, hospital units and clinics, imaging and robotics, mobile personal medical equipment, telemedicine, decision support system, diagnostics and laboratories.



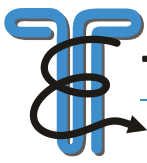
Project examples:

- **Hospital in-bed patient early warning device** - High power yet compact Li battery pack and a compatible charger to power a fully integrated patient monitoring supervision platform which provides continuous vital sign and motion information for general care patients.
- **Volumetric infusion pump systems** - Superior high quality power supply which operates a high-end multi-therapy volumetric infusion pump system for various clinical uses in hospital and ambulatory settings, offering outstanding performance for PCA, TPN, Continuous, Piggyback, Intermittent and Epidural treatments.
- **Automated Oxy-Defibrillator system** - High power and long cycle life Li battery which provides the critical power needed to operate the all-in-one oxygen therapy, airway management and defibrillation. Creates a virtual hospital environment at the scene and significantly increases the effectiveness of the medical treatment.
- **Chronic Obstructive Pulmonary Disease recovery system** - A medically certified battery and a compatible charger provide the main power to a medical noninvasive device, which aims to treat the core of the COPD pathophysiology.
- **DVT prevention therapy system** - Custom medical power supply, provides a reliable power to a stand-alone therapy device, without the need of drugs to prevent DVT after total joint replacement for the whole duration of treatment from hospital to home.
- **Wearable robotic exoskeleton device** - Custom design Li based rechargeable battery, with high power capabilities and long life performance for a unique walk restoration medical device, which offers an ambulation alternative to wheelchair users with lower limb disabilities, enabling paralyzed people to stand, walk and even climb stairs.

Additional markets and applications:

Tamuz provides unique power and energy sources solutions to Defense, Security, Medical, Agriculture & Water technology customers, as well as to Smart Metering, Utility, Wearable, IOT and Smart City applications.

- For the sector of Defense we develop and design advanced power packs, charging technologies and LED light solutions. Today's armed and security forces demand reliable and independent power sources such as high energy density batteries, solar chargers and hybrid energy generators to power their electronic equipment.
- For the sector of Agriculture and Water technology, we develop renewable energy harvesting technologies, applied to water flow, wind and solar radiation. Our green and tailor-made solutions allow to provide the required power to maintain remote off-grid systems; including irrigation, measuring, sewage flow measurements, wireless weather station, water purification sensors, filtering systems and more.



COMPANY PROFILE

Tamuz Electronics Ltd. specializes in the development, production and marketing of innovated and advanced energy systems, batteries and power modules for a wide range of customers, business sectors and applications. The company established in 1998 by Mr. David Danino - a world expert in battery technologies, energy conversion, charging methods and battery based systems. Tamuz's cutting-edge and innovative renewable energy systems and battery backup units enable any system designer to achieve his goal to have a perfect and efficient solution for his application.

The company's HQ, R&D, assembly and sales are base in Kfar-Saba, Israel with a production at Beit-Jann in the upper Galilee, Israel as well as production and logistic center in Asia.

The company team including engineers, technicians and battery-manufacturing experts. The experience and expertise of our team in Tamuz allows us to provide the optimal solution to meet our customers' power demands throughout the project phases, starting with the development phase through the prototype phase and finally to the manufacturing phase, all under a tight schedule and professional technical support.

Tamuz Electronics Ltd. provides turn-key power projects, complete energy solutions for autonomic power systems, as well as consulting, testing, designing, assembly and marketing of a wide range of batteries, power supplies, chargers, renewable energy systems and power modules.

Tamuz offers a wide range of battery technologies such as rechargeable batteries, primary batteries and new and special battery chemistries. Our battery packs are designed with protection components, BMS, indicators, converters, semi-smart and SMBus communication modules. Tamuz's know-how helps in bridging the gap between the customer demands and the up-to-date products and technologies available in the power field.

Tamuz is active in providing the right power solutions to Defense, Security, Medical, Agriculture & Water technology customers, as well as to Smart Metering, Utility, Wearable, IoT and Smart City applications.

COMPANY BACKGROUND

Since its establishment, Tamuz Electronics Ltd. has acquired vast knowledge relating to mobile and portable energy systems, reliable power supply products and complete energy solutions for outdoor and indoor electronic systems. The company is dedicated to finding the right and most efficient solution to its customers.

Tamuz's clients benefit from our professional technical design, support and efficient solutions.

This approach allows our customers to have an advanced system which prepares them for future advancements.

The company supports worldwide OEM, governments, utilities, R&D centers, universities and startup customers and sectors.