

# THE POWER TO IMPROVE PRODUCTIVITY & PATIENT SAFETY





## **ABOUT TDI POWER**

TDI Power is a leading, private manufacturer of highly reliable and technologically advanced electrical power solutions. Built on a 50 year history of engineering innovation, TDI is recognized as a market driven organization that focuses on our competitive strengths to meet our customers' needs. Our diverse capabilities allow us to serve the military/aerospace, industrial, medical and test and measurement markets. Our commitment is to deliver high-end, problem solving solutions where and when needed.

From our state-of-the-art shop floor manufacturing control system, to our philosophy of conservative design practices, TDI Power's very structure is built around creating the highest possible quality products. Design Verification Testing, Highly Accelerated Life Testing (HALT), Highly Accelerated Stress Screening (HASS) and internal labs for solar and EMI testing add to our analytical capabilities and dedication to continuous improvement, higher reliability, and lower overall program costs.

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“TDI was willing to listen to our needs and tailor a solution for us.”

## PORTABLE POWER FOR MOBILE COMPUTING APPLICATIONS

TDI Power offers a wide array of solutions to address the mobile computing, display and data collection needs of today's clinicians. With ever increasing focus on electronic record keeping, data collection and transmission, having reliable, long running power is essential.

## TDI OFFERS MANY OPTIONS TO ADDRESS THIS MARKET

### FEATURES

- 120VA C/60HZ OR 230VA C/50HZ OUTPUT
- TRUE SINE WAVE OUTPUT
- OUTPUT POWER LEVELS UP TO 350VA CONTINUOUS, 500VA PEAK
- LEAD ACID AND LI ION BATTERY CHEMISTRY OPTIONS
- MONITOR AND DIAGNOSE REMOTE POWER SYSTEM CONDITIONS
- MULTIPLE COMMUNICATION OPTIONS AND INTERFACES
- OPEN FRAME DEVICES FOR INSTALLATION IN YOUR SYSTEM

### BENEFITS

- CUSTOMIZABLE COMMUNICATIONS, GUI AND DISPLAYS
- CUSTOM PACKAGING, CABLING AND MOUNTING SOLUTIONS
- - 12 HOURS RUN TIME
- UL 60601-1 SAFETY, PATIENT VICINITY
- BATTERY MANAGEMENT / LONGER LIFE
- LESS WEIGHT
- HIGHER RELIABILITY
- FASTER RECHARGE TIME
- MODULARITY / FIELD UPGRADEABLE
- GUI INTERFACE
- BATTERY MANAGEMENT SOFTWARE

CONSULT TDI POWER FOR  
ADDITIONAL NEEDS





TER VALUE...

# MEDICAL POWER SOLUTIONS

As Electronic Medical Record adoption continues to rise, so does the need to input and access patient data at the point of care. A primary method to enable this communication is through the use of mobile computing/medication carts. These units improve staff productivity by allowing clinicians to access patient data from anywhere in a hospital, private practice, or other healthcare facility. They can also enhance patient safety by ensuring secure and accurate medication administration.

Today's mobile carting solutions are technology-rich with a variety of personal computing, ergonomic, power, security, and storage options. TDI Power's focus is on the technology that powers the carts. TDI Power created a solution that combines the latest battery technology with advanced engineering and design. The result is a mobile workstation power source that is significantly lighter and more efficient than older technologies. Most importantly, its rapid charging speed can dramatically increase the availability and utilization of mobile workstations in busy hospitals. It also allows caregivers to spend more quality time with patients, while significantly reducing the maintenance requirements and cost of ownership.



“As the medical world becomes ever more portable and field-responsive, the need for smaller, lighter devices is becoming more important.”



# TDI STANDARD 12V MEDICAL CART OFFERING 1 UNIT FOR EITHER LITHIUM ION OR SLA



## INPUT

- VOLTAGE: 90-250VAC
- FREQUENCY: 50/60HZ

## OUTPUT

- VOLTAGE: 120 VAC/60HZ OR 230 V/50HZ
- POWER: 250VA
- CART MOUNTABLE POWER SOURCE SUITABLE FOR MULTIPLE BATTERY CHEMISTRIES

## FEATURES

- UL60601-1 APPROVED
- EASY TO USE INTERFACE
- 8-10 HOURS OF BATTERY RUN TIME
- TYPICAL CHARGE IN <3 HOURS
- CHARGE & POWER FULL LOAD SIMULTANEOUSLY
- SOLID STATE TRANSFER DESIGN
- WIDE RANGE AC INPUT (90-250VAC)
- 12VDC BATTERY LI-ION OR SLA
- LIGHT WEIGHT <7LBS

## LITHIUM ION BATTERY TECHNOLOGY

As the medical world becomes more portable, the need for smaller, lighter devices is becoming more important. Industry movement to increasingly un-tethered products is driving greater interest in higher energy density and more compact battery pack solutions. Customers have increasingly turned to Lithium Ion batteries for their superior energy-to-weight ratios, no memory effect, slow loss of charge when not in use, reduced cost and improved energy density. Accordingly, TDI Power has developed charging devices for Lithium Ion batteries and has worked closely with clinicians and end users to understanding the changing needs of their workplace.



# BETT