



MediPower™ is a fully integrated UL/IEC60601-1 Mobile Medical Power System.

The new MediPower™ medical power system provides 175VA of output with a peak power of 250VA. The efficient design provides the necessary power to support medical equipment, while providing the proper overload capability required by devices such as printers.

The MediPower™ series provides a true sign wave AC output of 120V, with a universal AC input at 90Vac to 264Vac, enabling world wide support with a single unit. It can seamlessly change from an AC outlet to battery operation without the need for a transfer switch. This proven topology allows uninterrupted AC power at the output, irrespective of any power disturbance at the input.

MediPower™ delivers a 30% lighter solution designed to sustain the rough hospital environment. The integrated system design provides all the necessary features to add extended battery life to mobile medical devices. Its flexible design makes it configurable to customer specific technologies without added expenses.

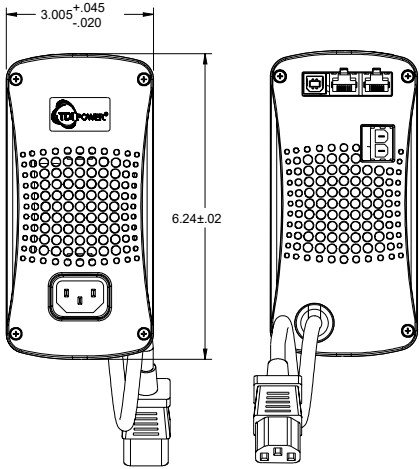
TDI's medical power solutions have been used on medical carts for over a decade. MediPower™ incorporates reliable and safe methodologies with new product design innovation.

Features:

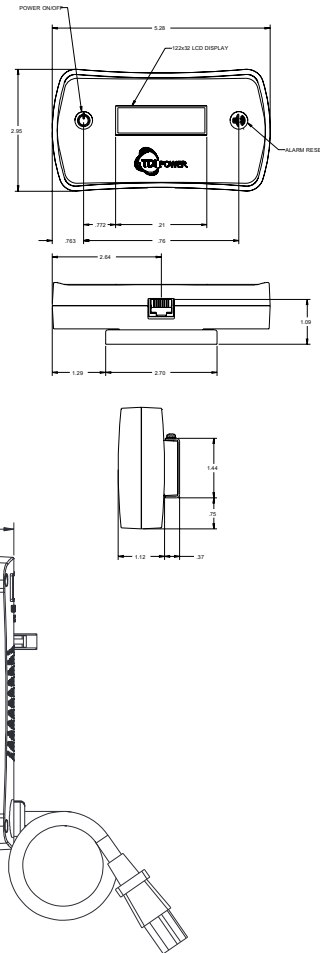
- **All-in-One:**
Fully Integrated UL/IEC60601-1 Mobile Power System
- **Universal Input:**
90VAC – 264VAC
- **Rapid recharge:**
2.5 Hours
- **350W Charger:**
Simultaneously charges battery while running the system
- **Continuous On-line Operation:**
Increases reliability and eliminates long term mechanical failures
- **Light Weight Design:**
Power Unit 4.5 lb. (2.1kg)
- **Standard API:**
Integrates directly into windows USB Battery drivers
- **Supports Smart Battery Protocols:**
SMB & ModBus
- **Easy Integration:**
Can be mounted to existing medical carts and rolling stands
- **OEM:**
Custom Solutions Available



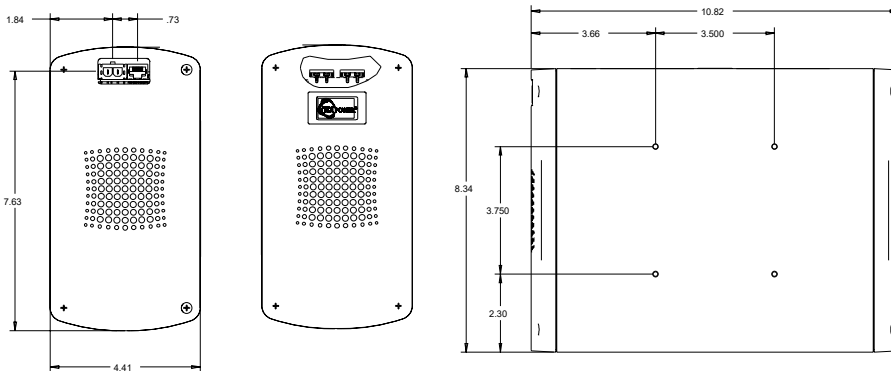
MEDIPOWER™ - SPS4450-3



RUI - SPS5974



BATTERY - SPS5973



| Parameter | MediPower™ |
|-------------------------------------|--------------------------------------------|
| Input | |
| AC Main Connection | 100VAC - 240 VAC |
| AC Frequency | 47-63 Hz |
| Max AC Input Current | 4A |
| Power Factor \ Harmonic Correction | Compliant to IEC61000-3-2 |
| Inrush Current (Typ) | 40Apk |
| AC Connection Type | Panel mount IEC 60320, C14 |
| Input Protection | |
| Surge Protection | Compliant to IEC 61000-4-5 |
| Input Over-Current | Y |
| AC Output | |
| AC (Pure Sine Wave) | 120 VAC |
| AC Frequency | 57-63 Hz |
| AC Output Current | 1.46A |
| Power (continuous) | 175 VA |
| Power (Peak) | 200 VA |
| Line regulation (from AC or DC) | < 2% |
| Load regulation | < 3% |
| AC Connection Type | IEC 60320 - C13 |
| AC Connection Cord | 10" |
| Total Harmonic Distortion | < 3% THD |
| AC Output Protection | |
| Max AC Current | 1.87A |
| Power Limit, Short Circuit | Y |
| Battery Source | |
| DC Voltage | 24V nominal |
| DC Current (max) | 10A charge/ 20A discharge |
| Type | SLA & Li-Ion |
| Charge & Supply Load | Simultaneously |
| Typical Charge Time | 2.5 Hours |
| Environmental | |
| Operating Temperature | 0°C to +40°C |
| Humidity (non-condensing) | 0% - 95% |
| Storage Temperature | -10°C to +50°C |
| Over Temperature Protection | Y |
| Physical | |
| Construction | Enclosed Rugged Aluminum |
| Power Supply Dimensions (D x H x W) | 11.0" x 6.25" x 3.0" (279 x 159 x 76 mm) |
| Battery Dimensions (D x H x W) | 10.85" x 8.35" x 4.4" (275x212x112mm) |
| Power Supply Weight | 4.5 lb. (2.1Kg) |
| Battery Weight | 15 lb. (6.8Kg) |
| Cooling | Temp. & Speed Controlled Fan |
| Safety | |
| Isolation Level | 4Kv |
| Marking | TUV |
| Safety & EMC Standard | UL/IEC 60601-1 (3rd Ed.) UL/IEC 60950-1 |
| RoHS/WEEE | Compliant |
| Communication | |
| USB | HID Compliant |
| Battery | Smart Battery Support |
| BUS | SMBus & Modbus |