



**FEATURES**

- IEC 320/C14 & C18 Inlets
- Up to 250 Watts Continuous Output @ Convection
- LED Power Indicator
- Over-Voltage, Over-Curent & Over-Temperature Protections
- Approved to IEC/EN/UL 60601-1 3.1 & IEC 60950-1 2nd Ed.
- CEC, DOE Level VI & ErP Stage 2 Compliant
- UL, cUL, TUV, CE, PSE Approved



**INPUT SPECIFICATIONS**

Input Voltage Range .....	90-264 VAC
Input Frequency .....	47-63 Hz
Input Current .....	3.3 Arms max. @ 115 VAC 1.3 Arms max. @ 230 VAC
Inrush Current .....	100 A @ 230 VAC, at 25°C cold start
Touch Current .....	100 µA max. @ 264 VAC
Earth Leakage Current .....	200 µA max. @ 264 VAC (Class I)

**OUTPUT SPECIFICATIONS**

Output Power Ratings .....	See table
No Load Power Cons. ....	0.15W max.
Line Regulation .....	±1% max.
Load Regulation .....	±5% max.
Ripple and Noise* .....	2% Vp-p max. of the output voltage
Over Voltage Protection .....	Set at 150% of its nominal output voltage; Latch off
Over Temp. Protection .....	Shutdown; Auto recovery
Short Circuit Protection .....	Shutdown; Auto recovery
Over Current Protection .....	Set at 170% of its nominal input voltage; Shutdown
Temperature Coefficient .....	±0.04%/°C max.
Transient Response .....	0.5 ms @ 50% load change

\* Peak-to-peak value measured with 20MHz bandwidth with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor.

**GENERAL SPECIFICATIONS**

Power Factor .....	0.95 typical @ full load
Efficiency .....	92% typical @ full load
Hold-up Time .....	10 ms @ full load
Operating Temperature .....	0°C to +40°C
Storage Temperature .....	-20°C to +80°C
Operating Humidity .....	20% to 80% non-condensing
Storage Humidity .....	10% to 90% non-condensing
Withstand Voltage .....	4,000 VAC, input-output (2 MOPP) 1,500 VAC, input-ground (1 MOPP)
MTBF .....	300 KHrs minimum at full load, 25°C ambient, calculated per Telecordia SR-332

**MODELS LIST**

Product No.	Output Voltage	Output Current	Max. Output Power
<b>TDM250-12</b>	12V	20A	240W
<b>TDM250-15</b>	15V	16.67A	250W
<b>TDM250-24</b>	24V	10.42A	250W
<b>TDM250-48</b>	48V	5.21A	250W

Notes:

1. The listed P/N's are for Class I models equipped with IEC 320/C14 AC inlet. Add suffix "-C2" to order Class II models equipped with IEC 320/C18 AC inlet, e.g. use P/N TDM250-24-C2 to order 24V Class II model.

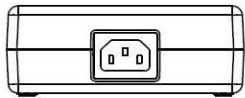
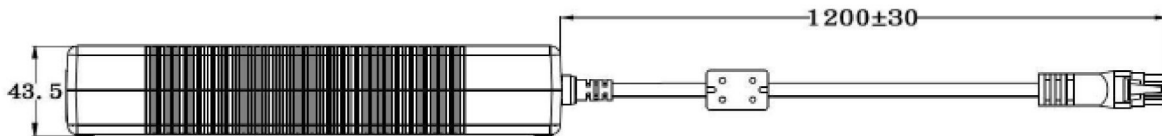
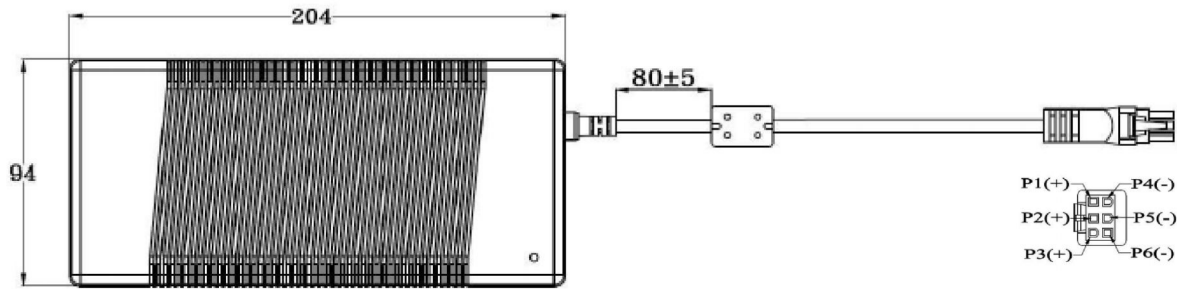
**STANDARDS & COMPLIANCE**

IEC 60601-1-2:2014 .....	EMC & Immunity Performance
EN 55011 .....	Class B, conducted & radiated
FCC, CISPR 11 .....	Class B, conducted & radiated
EN 61000-3-2 .....	Harmonic distortion, Class A & D
EN 61000-3-3 .....	Line flicker
EN 61000-4-2 .....	ESD, ±15 KV air and ±8 KV contact
EN 61000-4-3 .....	Radiated immunity, 10V/m
EN 61000-4-4 .....	Fast transient/burst, ±2 KV
EN 61000-4-5 .....	Surge, ±1 KV diff., ±2 KV com.
EN 61000-4-6 .....	Conducted immunity, 10 Vrms
EN 61000-4-8 .....	Magnetic field immunity, 30A/m
EN 61000-4-11 .....	Voltage dips, 30% reduction for 500ms, 100% reduction for 10 ms
Safety Standards .....	UL/IEC/EN 60601-1 (3.1 Edition), ANSI/AAMI ES 60601-1:2012, CSA C22.2 No. 60601-1:2014; IEC 60950-1 (2nd Edition)
Agency Approvals .....	UL, cUL, TUV, CE, CB, PSE
Other Compliance .....	RoHS, CEC & Energy Star Level VI, ErP Stage 2

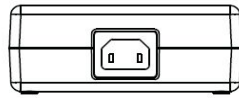
# TDM250 Series

## 250 Watts Medical & ITE Grade Power Adapters

### MECHANICAL SPECIFICATIONS



(Class I with C14 Inlet)



(Class II with C18 Inlet)

#### Notes:

1. Unit: mm
2. Tolerance: 0.5mm maximum, unless otherwise stated.
3. Weight: 1.0 kg (2.2 lbs) approx.
4. Standard output connector (6 pins): Molex Mini-Fit Jr. receptacle P/N 39-01-2060 with female terminal #5556 or equivalent, mates with Molex P/N 39-01-2066 with male terminal #5558, #5566, #5569 or equivalent.
5. Contact TRUMPower for output connector and cable options.