



FEATURES

- IEC 320/C14 & C18 Inlets
- LED Power Indicator
- Single 300W Continuous Output @ Convection
- 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	3.4A rms max. @ 115 VAC 1.6A rms max. @ 230 VAC
Inrush Current	100A @ 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.	0.5W 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
TDM300-12	12V	25A	300W
TDM300-15	15V	20A	300W
TDM300-24	24V	12.5A	300W
TDM300-48	48V	6.25A	300W

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 TDM300-24-C2 to order 24V Class II model.
2. Add suffix "-AP" to the P/N to order units with optional 10-pin output connector.

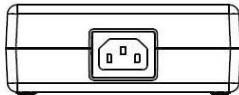
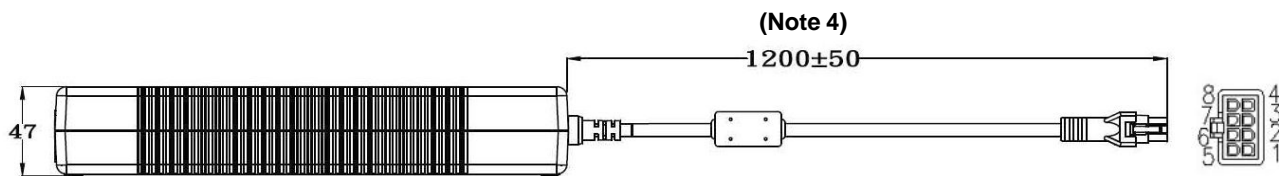
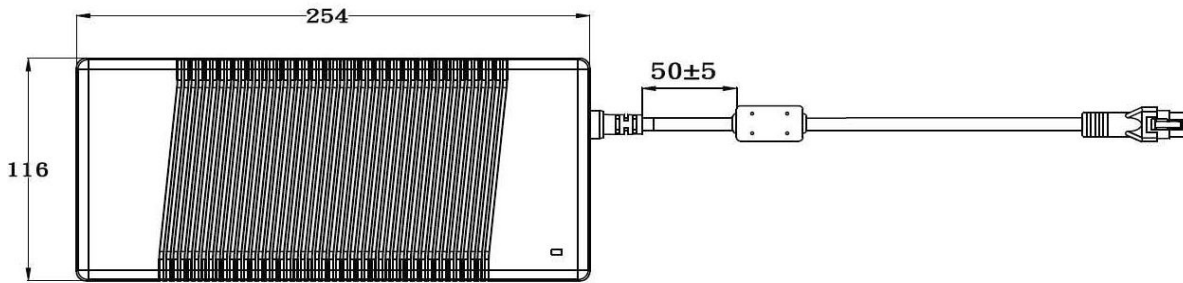
STANDARDS & COMPLIANCE

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

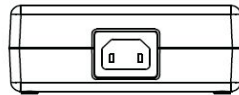
TDM300 Series

300 Watts Medical & ITE Grade Power Adapters

MECHANICAL SPECIFICATIONS



(Class I with C14 Inlet)



(Class II with C18 Inlet)

OUTPUT CONNECTOR Standard	
PIN	FUNCTION
1, 2, 3, 4	Return
5, 6, 7, 8	+V

OUTPUT CONNECTOR Optional 10 Pins (Suffix "-AP")		
	Class I	Class II
PIN	FUNCTION	
1, 2, 3, 4	Return	Return
5	AC Ground	N. C.
6, 7, 8, 9	+V	+V
10	N. C.	N. C.

Notes:

- Unit: mm
- Tolerance: 0.5mm maximum, unless otherwise stated.
- Weight: 1.6kg (3.53lbs) approx.
- Cable length is 1,000mm for 12V output in order to meet CEC Level VI.
- Standard output connector (8 pins): Molex Mini-Fit Jr. receptacle P/N 39-01-2080 with female terminal #5556 or equivalent, mates with Molex P/N 39-01-2086 with male terminal #5558, #5566, #5569 or equivalent.
- Optional output connector (10 pins): Molex Mini-Fit Jr. receptacle P/N 39-01-2100 with female terminal #5556 or equivalent, mates with Molex P/N 39-28-1123 with male terminal #5558, #5566, #5569 or equivalent.
- Contact TRUMPower for output connector and cable options.