



FEATURES

- IEC 320/C6, C8, C14, C18 AC Inlets
- 12V to 48V Output Voltages
- LED Power Indicator
- 2 X MOPP
- Medical & ITE Dual Approvals
- UL, cUL, TUV, PSE, CB & CE Approved
- CEC, DoE Level VI & ErP Stage 2 Compliant
- Competitively Priced



INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Input Frequency	47-63 Hz
Input Current	1.6A rms @ 115 VAC 0.7A rms @ 230 VAC
Inrush Current	80A @ 230 VAC, at 25°C cold start
Touch Current	100 µA max. @ 240 VAC
Earth Leakage Current	300 µA max. @ 240 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*	1% peak to peak max.
Overvoltage Protection	Set at 150% of its nominal output voltage; Shutdown
Short Circuit Protection	Shutdown; Auto recovery
Overcurrent Protection	Set at 170% of its nominal input voltage; Shutdown
Temperature Coefficient	±0.04%/°C max.
Transient Response	0.5 ms @ 50% load change

* Measured with 20MHz bandwidth at rated line voltage and output load ranges, with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor in parallel across the output.

GENERAL SPECIFICATIONS

Power Factor	0.9 typical
Efficiency	87% min. @ 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. ⁽¹⁾	Output Voltage	Maximum Current	Maximum Power
TDM65-12	12V	5A	60W
TDM65-15	15V	4.34A	65W
TDM65-18	18V	3.62A	65W
TDM65-19	19V	3.43A	65W
TDM65-24	24V	2.71A	65W
TDM65-30	30V	2.17A	65W
TDM65-36	36V	1.81A	65W
TDM65-48	48V	1.36A	65W

Note:

1) Add suffix "-4" for models furnished with IEC 320/C14 AC inlet, "-6" for C6 inlet, "-8" for C8 inlet, "-18" for C18 inlet, e.g. TDM65-12-4, TDM65-12-6, TDM65-19-8, TDM65-24-18 etc.

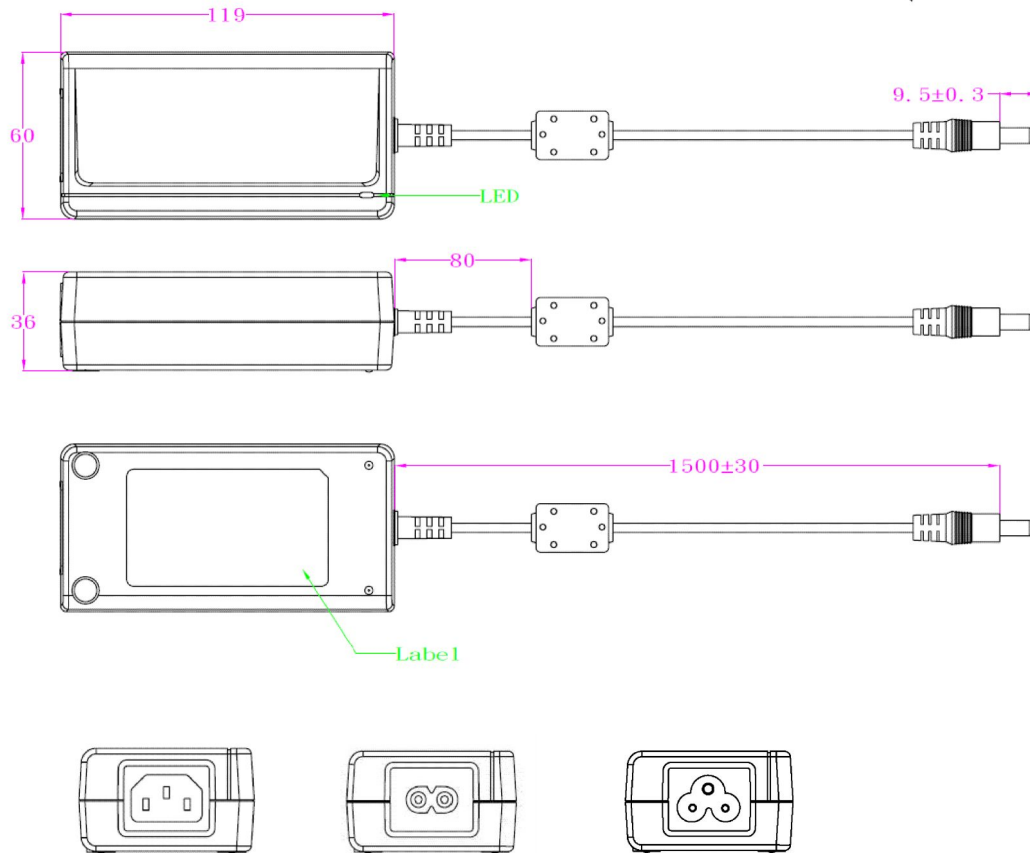
STANDARDS & COMPLIANCE

IEC 60601-1-2:2014	EMC & Immunity Performance
EN 55011, CISPR 11, FCC ...	Class B, conducted & radiated
EN 61000-3-2	Harmonic distortion, Class A
EN 61000-3-3	Line fluctuations & 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, 6 Vrms
EN 61000-4-8	Magnetic field immunity, 30A/m
EN 61000-4-11	Voltage dip immunity, 30% reduction for 500ms, 60% reduction for 100ms, >95% reduction for 10ms
Safety Standards	IEC/EN/UL 60601-1 (Edition 3.1) ANSI/AAMI ES 60601-1 (2012), CSA C22.2 No. 60601-1 (2014), IEC/EN 60950-1 (2nd Edition)
Agency Approvals	UL, cUL, TUV, PSE, CE, CB
Other Compliance	RoHS, DOE/GEMS VI, ErP Stage 2

TDM65 Series

60-65 Watts Medical & ITE Grade AC/DC Power Adapters

MECHANICAL SPECIFICATIONS



Notes:

1. Unit: mm
2. Tolerance: 0.5mm maximum, unless otherwise stated
3. Weight: 310g (0.69 lbs) approx.
4. Standard output connector: 2.1x5.5x9.5mm barrel plug
5. Contact TRUMPower for output connector options.