



FEATURES

- Interchangeable AC Plugs
- Class II Construction with 2 MOPP
- Meet UL/IEC/EN 60601-1 3.1 Edition Standards
- Meet IEC/EN 60601-1-2 4th Edition EMC
- 5,000 Meters Operation Altitude
- UL, cUL, TUV & CB Approved
- Meet IP22, CEC Level VI, RoHS2



INPUT SPECIFICATIONS

Input Voltage Range	90-275 VAC
Input Frequency	47-63 Hz
Input Current	0.93A rms @ 100 VAC, 0.54A rms @ 240 VAC
Inrush Current.....	115A @ 100 VAC or 270A @ 240 VAC, at 25°C cold start
No Load Power Consumption...	0.1W max.
Enclosure Leakage Current	100µA max. @ 240 VAC, 60 Hz

OUTPUT SPECIFICATIONS

Output Power Ratings	See models list
Total Regulation	See models list
Ripple & Noise	See models list
Overload Protection	Set at 110-150% of its nominal output voltage; Auto recovery
Short Circuit Protection	Auto recovery
Temperature Coefficient.....	±0.04%/°C max.
Transient Response	4ms @ 110 VAC, full load

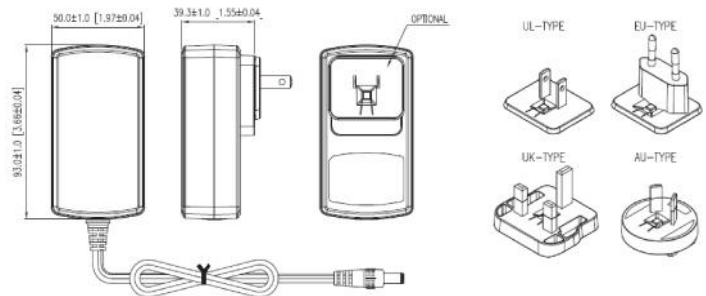
GENERAL SPECIFICATIONS

Efficiency.....	See models list
Hold-up Time	8ms min. @ 100 VAC, full load
Start-up Time	3 seconds max. @ full load
Line Regulation	±1% max. @ full load
Operating Temperature	-20°C to +70°C
Derating	Derate from 100% at +40°C linearly to 50% at +70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	0% to 95% non-condensing
Withstand Voltage	4,000 VAC input-output (2 MOPP)
Operation Altitude	5,000 meters max.
MTBF	200K hours minimum at full load, 25°C ambient, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCE

EN 60601-1-2:2015	EMC & Immunity Performance
EN 55011, CISPR11	Class B, conducted & radiated
FCC, VCCI	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, 10 V/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, 30 A/m
EN 61000-4-11	Voltage dips, 30% reduction for 500ms, 60% reduction for 100ms, >95% reduction for 10ms
Safety Standards	UL/IEC/EN 60601-1 (Edition 3.1), ANSI/AAMI ES 60601-1 (2012), CSA C22.2 No. 60601-1 (2014);
Agency Approvals.....	UL, cUL, TUV, CE, CB
Other Compliance	RoHS2, CEC VI, IP22

MECHANICAL SPECIFICATIONS



Unit: mm [inch]
Weight: 225g (0.50 lb) approx.

Notes:

1. Standard output connector: 2.5 x 5.5 mm or 2.1 x 5.5 mm barrel plug
2. Standard output cable: 4-ft, AWG#14 for 5-11V output models; 4-ft, AWG#16 for 11-21V output models; 4-ft, AWG#18 for 21-48V output models.
3. Contact TRUMPower for other output cable and connector options.

TXM40 Series

Medical Grade 40W Wall Mount Power Adapters

MODELS LIST

Product No. ⁽¹⁾ (Main Body Only)	Output Voltage ⁽²⁾	Max. Output Current	Max. Output Power	Ripple & Noise ⁽³⁾ (Vp-p Max.)	Total Regulation	Efficiency (Typ.)
TXM40-5	5V	6.00A	30W	100mV	±5%	85.00%
TXM40-7.5	7.5V	4.00A	30W	100mV	±5%	86.95%
TXM40-9	9V	3.89A	35W	100mV	±5%	87.35%
TXM40-12	12V	3.33A	40W	100mV	±5%	87.59%
TXM40-15	15V	2.66A	40W	120mV	±5%	87.59%
TXM40-18	18V	2.22A	40W	120mV	±5%	87.59%
TXM40-24	24V	1.66A	40W	120mV	±3%	87.59%
TXM40-27	27V	1.48A	40W	120mV	±3%	87.59%
TXM40-30	30V	1.33A	40W	120mV	±3%	87.59%
TXM40-36	36V	1.11A	40W	200mV	±3%	87.59%
TXM40-48	48V	0.83A	40W	200mV	±3%	87.59%

Part No.	Interchangeable AC Plugs
TXM-IPU	US/China/Japan Type; Non-Polarized
TXM-IPE	EU Type
TXM-IPB	UK Type
TXM-IPA	Australia Type

Notes:

1. At least one AC plug is required to order with each power adapter's main body.
2. Specify the output voltage, within 5V to 48V, when ordering non-standard output models, e.g. TXM40-16.5 for 16.5V output.
3. Ripple & Noise are measured with 20MHz bandwidth at nominal line and rated output load ranges, with a 0.1µF ceramic capacitor and a 47µF electrolytic capacitor connected across the output connector.