



FEATURES

- Certified for Use in Home Healthcare Environments
- Compliant with IEC 60601-1 Edition 3.1
- Compliant with IEC 60601-1-2 Edition 4.0
- Compliant with IEC 60601-1-11 2nd Edition
- Compliant with CEC Level V & ErP Step 2
- UL, cUL, TUV, CB, CE Approved



INPUT SPECIFICATIONS

Input Voltage Range 90-264 VAC
 Input Frequency 47-63 Hz
 Input Current 0.15A rms max.
 Inrush Current 40A @ 240 VAC, 25°C cold start
 Touch Current 10 µA typical
 No Load Power Cons. 0.3W max.

STANDARDS & COMPLIANCE

IEC/EN 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 60601-1-11 (2nd Edition)
 Agency Approvals UL, cUL, TUV, CE, CB
 Other Compliance IP22, RoHS, CEC Level V, ErP 2

OUTPUT SPECIFICATIONS

Output Voltage 5 VDC
 Output Current 1A, max.
 Line Regulation ±1% max.
 Load Regulation ±5% max.
 Ripple and Noise* 100mVp-p max.
 Over Voltage Protection Shut down
 Short Circuit Protection Shut down; Auto-recovery
 Over Current Protection Shutdown, Auto-recovery
 Hold-up Time 10 ms @ full load
 Transient Response 0.5 ms @ 50% load change
 Temperature Coefficient ±0.04%/°C max.

* 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

Efficiency 75% typical
 Operating Temperature -10°C to +60°C
 Derating Derate linearly from 100% load
 @ 40°C to 50% @ 60°C
 Storage Temperature -20°C to +85°C
 Operating Humidity 20% to 90% non-condensing
 Storage Humidity 10% to 90% non-condensing
 Withstand Voltage 4,000 VAC, input-output (2MOPP)
 MTBF 300 KHrs minimum at full load,
 25°C ambient, calculated per
 Telecordia SR-332

ORDERING INFORMATION

P/N: TMW7-5-XYS

Code X	AC Plug
U	Fixed US Plug
E	Fixed EU Plug
B	Fixed UK Plug
A	Fixed Aus. Plug
I	*Main Body without plug

*Order interchangeable plugs separately.

Code Y	Output Connector
P	USB type A receptacle on case
MA	Mini-A plug on molded cable
MB	Mini-B plug on molded cabl
UA	Micro-A plug on molded cable
UB	Micro-B plug on molded cable

Interchangeable Plug	Part No.
US Plug	TRM-IPU
EU Plug	TRM-IPE
UK Plug	TRM-IPB
AU Plug	TRM-IPA

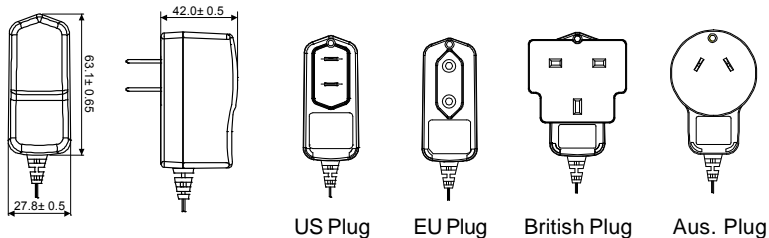
Note: Add suffix W to the P/N for white colored version, e.g. TMW7-5-UPSW, TMW7-5-IPSW, TMW7-5-EUBSW, TRM-IPUW, etc.

TMW7 USB Series

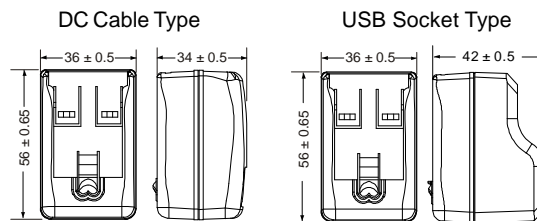
5 Watts Medical Grade USB Power Adapters

MECHANICAL SPECIFICATIONS

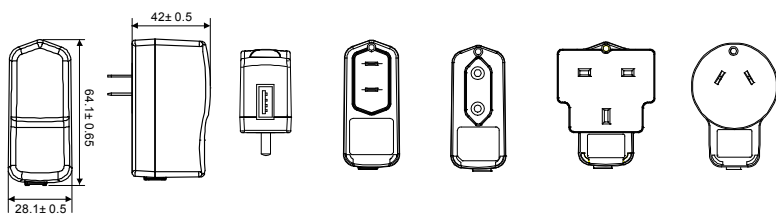
Fixed AC Plug with DC Output Cable



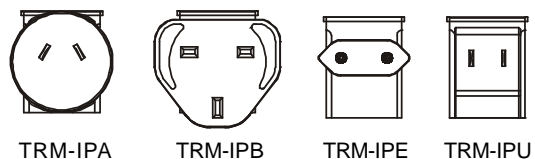
Main Body for Interchangeable Plugs



Fixed AC Plug with USB Socket on Case



Interchangeable Plugs



Notes:

1. Unit: mm
2. Weight: 80 grams approx.
3. Color: Black (standard) or White (optional; suffix W)