

Medical Plug Top Power Adaptors



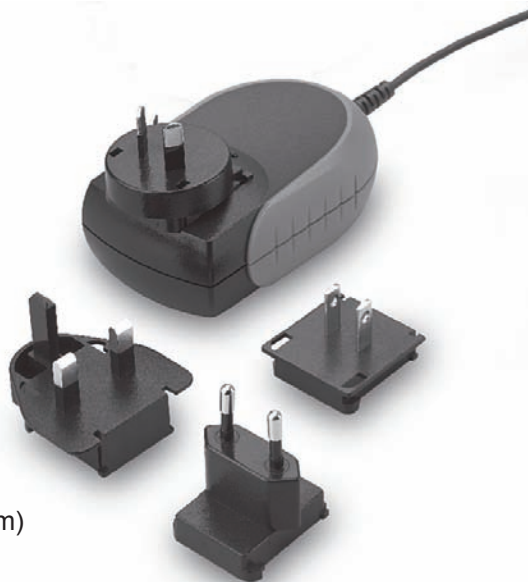
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PPT30ME Series 30 Watt Switch Mode Universal AC Input

The PPT30ME series of CEC level IV compliant AC-DC Power Adaptors offer user interchangeable AC input plugs to enable operation in many different countries. Adaptors can be ordered with up to 4 different interchangeable plugs to meet the power socket requirements of most countries.

Features

- Universal Input Range 90-264VAC
- Over Voltage & Continuous Short Circuit Protection
- Meets EN60601-1 & EN55011 Class B
- CEC Level IV Compliant (Output Cable Length $\leq 1800\text{mm}$) (PPT30ME-050: Output Cable Length $\leq 1500\text{mm}$)
- Optional Output Connector



Electrical Specification

INPUT

| | |
|--------------------------|-------------------|
| Input Voltage Range | 90 - 264Vac |
| Frequency | 47 - 63Hz |
| Input Current | 0.4 - 0.8A max. |
| Inrush Current | 50A max. @ 240Vac |
| Conducted EMI | CISPR/FCC Class B |
| Isolation - Input/Output | 5,656VDC |
| Leakage Current | 100 μ A max. |

OUTPUT

| | |
|--------------------------|----------------------------|
| Hold-up Time | 10mS typ. @ 115Vac |
| Short Circuit Protection | Continuous (Auto Recovery) |
| Over Voltage Protection | Yes |

ENVIRONMENTAL

| | |
|-----------------------------|--------------------|
| Operating Temperature Range | 0°C to +40°C |
| Storage Temperature Range | -20°C to +85°C |
| Cooling | Natural convection |

GENERAL

| | |
|------------------|---|
| Safety Approvals | cUL/UL 60950, TUV EN60950, cUL/UL2601-1, TUV EN60601-1 |
| Dimensions | 108.67 x 61.98 x 36.70 mm 4.270 x 2.440 x 1.445 inches |
| Weight | 300g |

Output Voltage and Current Ratings

| MODEL | OUTPUT VOLTAGE | OUTPUT CURRENT | | RIPPLE & NOISE | VOLTAGE ACCURACY | LINE REG. | LOAD REG. | % EFF. |
|-------------|----------------|----------------|-------|----------------|------------------|-----------|-----------|--------|
| | | Min. | Max. | | | | | |
| PPT30ME-050 | 5V | 0A | 4.0A | 1% | $\pm 2\%$ | $\pm 1\%$ | $\pm 6\%$ | 73% |
| PPT30ME-090 | 9V | 0A | 3.0A | 1% | $\pm 2\%$ | $\pm 1\%$ | $\pm 3\%$ | 76% |
| PPT30ME-120 | 12V | 0A | 2.5A | 1% | $\pm 2\%$ | $\pm 1\%$ | $\pm 2\%$ | 79% |
| PPT30ME-150 | 15V | 0A | 2.0A | 1% | $\pm 2\%$ | $\pm 1\%$ | $\pm 2\%$ | 81% |
| PPT30ME-180 | 18V | 0A | 1.67A | 1% | $\pm 2\%$ | $\pm 1\%$ | $\pm 2\%$ | 81% |
| PPT30ME-240 | 24V | 0A | 1.25A | 1% | $\pm 2\%$ | $\pm 1\%$ | $\pm 2\%$ | 83% |

NOTE:

1. Voltage set point at 60% full load.
2. Output noise and ripple measured with 10 μ F electrolytic & 0.1 μ F ceramic capacitors across output at 20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac at full load.
3. Load regulation is measured from 60% to full load and from 60% to 20% load (60% $\pm 40\%$ load). Typical at 25°C, nominal line and 75% load unless otherwise stated.

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Mechanical Details

All Dimensions In Inches(mm)
Tolerance Inches: x.xxx= ± 0.02
Millimeters: x.xx= ± 0.5

