

Medical Desk Top Power Supplies



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PS30ME Series 20-30 Watt Switch Mode Universal AC Input

Features

- Universal Input Range 90-264VAC
- Continuous Short Circuit Protection
- Over Voltage Protection
- Meets EN60601-1 & EN55011 Class B
- CEC Level IV Compliant (Output cable length \leq 1800mm)
(PS30ME050: Level III, Output cable \leq 720mm)
- Optional Output Connectors



Electrical Specification

INPUT

| | |
|--------------------------|-------------------|
| Input Voltage Range | 90 - 264Vac |
| Frequency | 47 - 63Hz |
| Inrush Current | 50A max. @ 240Vac |
| Isolation - Input/Output | 5,656VDC |
| Input Current | 0.6A max. |

OUTPUT

| | |
|--------------------------|----------------------------|
| Hold-up Time | 16mS 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 |
| Dimensions | 110.0 x 50.0 x 30.0 mm 4.331 x 1.969 x 1.181 inches |
| Weight | 220g |
| AC Inlet | IEC320/C8 |

Output Voltage and Current Ratings

| MODEL | OUTPUT VOLTAGE | OUTPUT CURRENT | RIPPLE & NOISE | VOLTAGE SETPOINT | LINE REG. | LOAD REG. | % EFF. |
|-----------|----------------|----------------|----------------|------------------|-----------|-----------|--------|
| PS30ME050 | 5V | 4A | 50mV pk-pk | \pm 2% | \pm 1% | \pm 6% | 71% |
| PS30ME090 | 9V | 3A | 90mV pk-pk | \pm 2% | \pm 1% | \pm 4% | 75% |
| PS30ME120 | 12V | 2.5A | 120mV pk-pk | \pm 2% | \pm 1% | \pm 3% | 76% |
| PS30ME150 | 15V | 2A | 150mV pk-pk | \pm 2% | \pm 1% | \pm 3% | 78% |
| PS30ME180 | 18V | 1.65A | 180mV pk-pk | \pm 2% | \pm 1% | \pm 2% | 78% |
| PS30ME240 | 24V | 1.25A | 240mV pk-pk | \pm 2% | \pm 1% | \pm 2% | 80% |

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.
4. 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.

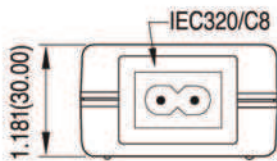
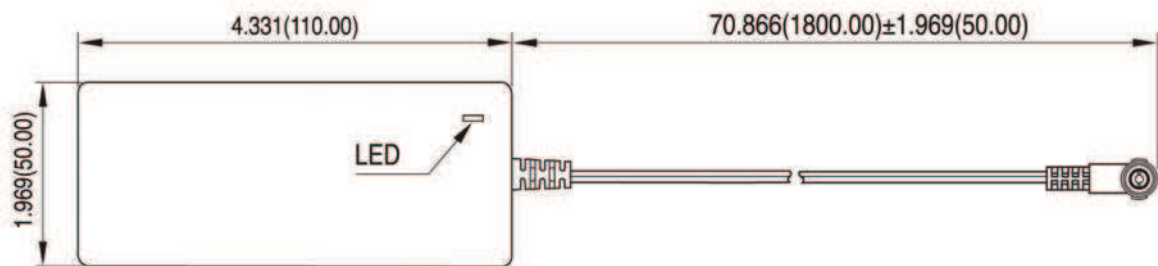
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Mechanical Details

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



Options: Consult Sales Office for details
Alternative output connectors available
In-line ferrite core on output cable

