

# Medical Desk Top Power Supplies



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## PS60ME Series 30-60 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  $\leq 1800\text{mm}$ )  
(PS60ME050 Non-compliant)  
(PS60ME120: Output cable  $\leq 1200\text{mm}$ , 16AWG)
- Optional Output Connectors



### Electrical Specification

#### INPUT

Input Voltage Range	90 - 264Vac
Frequency	47 - 63Hz
Inrush Current	80A max. @ 240Vac
Conducted EMI	CISPR/FCC Class B
Isolation - Input/Output	5,656VDC
Leakage Current	0.1mA max.

#### OUTPUT

Hold-up Time	8mS 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	EN60601-1
Dimensions	132.0 x 58.0 x 30.5 mm 5.197 x 2.283 x 1.201 inches
Weight	345g
AC Inlet	IEC320/C8

### Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REG.	LOAD REG.	% EFF.
PS60ME050	5V	6A	50mV pk-pk	$\pm 4\%$	$\pm 1\%$	$\pm 6\%$	71%
PS60ME120	12V	5A	120mV pk-pk	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	83%
PS60ME150	15V	4A	150mV pk-pk	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	84%
PS60ME180	18V	3.33A	180mV pk-pk	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84%
PS60ME190	19V	3.15A	190mV pk-pk	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	85%
PS60ME240	24V	2.5A	240mV pk-pk	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	85%

#### NOTE:

1. Voltage set point at 60% full load.
2. Output noise and ripple measured with 10 $\mu$ F electrolytic & 0.1 $\mu$ 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.

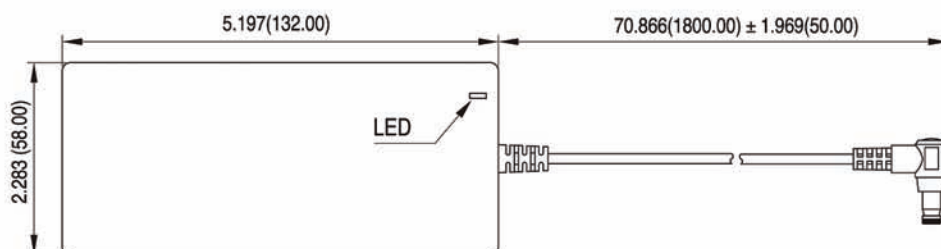
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## Mechanical Details

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

