

Desk Top Power Supplies



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PS70E Series 66-70 Watt Switch Mode Universal AC Input

Features

- Universal Input Range 90-264VAC
- Continuous Short Circuit Protection
- Over Voltage Protection
- Conductive EMI Meets CISPR/FCC Class B
- CEC Level IV Compliant (Output cable length \leq 1800mm)
(PS70E120: Output cable \leq 1220mm)
(PS70E150: Output cable \leq 1220mm)
- Optional Output Connectors



Electrical Specification

INPUT

Input Voltage Range	90 - 264Vac
Frequency	50 - 60Hz
Inrush Current	60A max. @ 240Vac
Conducted EMI	CISPR/FCC Class B
Isolation - Input/Output	4242VDC
Leakage Current	3.5mA max.

OUTPUT

Hold-up Time	8mS typ. @ 115Vac
Short Circuit Protection	Continuous
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	132.0 x 58.0 x 30.5 mm 5.197 x 2.283 x 1.201 inches
Weight	345g
AC Inlet	IEC320/C14

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REG.	LOAD REG.	% EFF.
PS70E120	12V	5.5A	1%	\pm 2%	\pm 1%	\pm 5%	82%
PS70E150	15V	4.6A	1%	\pm 2%	\pm 1%	\pm 3%	84%
PS70E180	18V	3.9A	1%	\pm 2%	\pm 1%	\pm 2%	84%
PS70E190	19V	3.7A	1%	\pm 2%	\pm 1%	\pm 2%	84%
PS70E240	24V	3.0A	1%	\pm 2%	\pm 1%	\pm 2%	86%
PS70E480	48V	1.5A	1%	\pm 2%	\pm 1%	\pm 2%	87%

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.

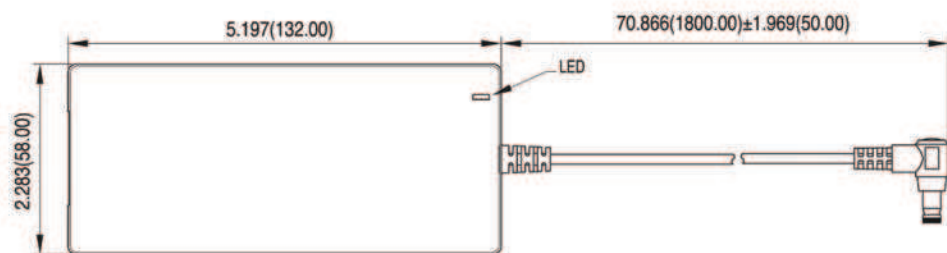
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Mechanical Details

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

