

Desk Top Power Supplies



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PS70E2 Series 66 - 70 Watt Switch Mode Universal AC Input

Features

- Universal Input Range 90-264VAC
- 2 Pole AC Inlet IEC320/C8
- Class II Insulation
- Overvoltage & Short Circuit Protection
- Conductive EMI Meets CISPR/FCC Class B
- CEC Level IV Compliant (Output cable length ≤1800mm)
(PS70E2120: Output cable ≤1220mm)
(PS70E2150: Output cable ≤1220mm)
- 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	4242VDC
Leakage Current	0.25mA 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/C8

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REG.	LOAD REG.	% EFF.
PS70E2120	12V	5.5A	120mV pk-pk	±2%	±1%	±5%	81%
PS70E2150	15V	4.6A	150mV pk-pk	±2%	±1%	±3%	82%
PS70E2180	18V	3.9A	180mV pk-pk	±2%	±1%	±2%	84%
PS70E2190	19V	3.7A	190mV pk-pk	±2%	±1%	±2%	84%
PS70E2240	24V	3.0A	240mV pk-pk	±2%	±1%	±2%	86%
PS70E2480	48V	1.5A	480mV pk-pk	±2%	±1%	±2%	86%

NOTE:

1. Voltage set point at 60% full load.
2. Output noise and ripple measured with 10µF electrolytic & 0.1µF 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% ±40% load).

Typical at 25°C, nominal line and 75% load unless otherwise stated.

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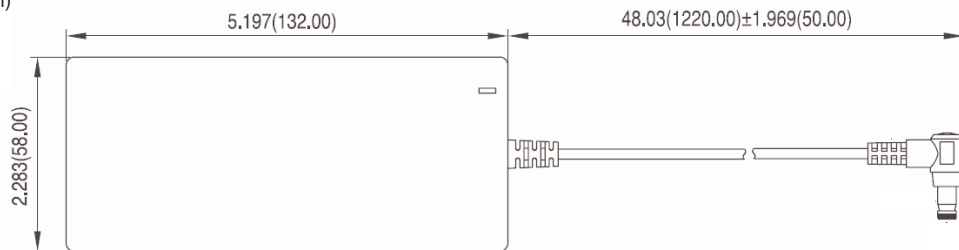
Mechanical Details

All dimensions in inches (mm)

Tolerances:

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

IEC320/C8

