

Desk Top Power Supplies



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PS36E Series 20-36 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 ≤1800mm)
(PS36E090: Output cable ≤1220mm)
(PS36E050: Output cable ≤1220mm, 18AWG/UL2464)
- 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	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	110.0 x 50.0 x 20.0 mm 4.331 x 1.969 x 0.787 inches
Weight	190g
AC Inlet	IEC320/C8

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REG.	LOAD REG.	% EFF.
PS36E050	5V	4.0A	1%	±2%	±1%	±6%	73%
PS36E090	9V	3.0A	1%	±2%	±1%	±5%	77%
PS36E120	12V	2.5A	1%	±2%	±1%	±5%	78%
PS36E130	13.5V	2.4A	1%	±2%	±1%	±5%	80%
PS36E150	15V	2.4A	1%	±2%	±1%	±3%	80%
PS36E180	18V	2.0A	1%	±2%	±1%	±2%	81%
PS36E240	24V	1.5A	1%	±2%	±1%	±2%	81%
PS36E480	48V	0.75A	1%	±2%	±1%	±2%	83%

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)
Tolerance Inches: x.xxx= ± 0.02
Millimeters: x.xx= ± 0.5

