

Desk Top Power Supplies

POWER
SOLVE

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PS45A Series
30-45 Watts Switch Mode
Universal AC Input

Not for new designs



Features

- Universal Input: 90 ~ 264Vac
- Continuous Short Circuit Protection
- Meets EN55022 Class "B", Conducted
- High Efficiency, 82% Typical
- Optional output connector
- IEC320 3 pin input



Electrical Specification

INPUT

Input voltage	90 - 264 VAC
Input frequency	47 to 63 Hz
Inrush Current	50A max. @ 264 VAC
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242 VDC
Leakage Current	3.5mA max.

OUTPUT

Hold-up Time	8mS typ. @115 VAC
Short Circuit Protection	Continuous
Over Voltage Protection	Option

ENVIRONMENTAL

Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 85°C

MECHANICAL CHARACTERISTICS

Dimensions	132 x 58 x 30 mm
Weight	340 grams approx
AC Inlet	IEC320/C14

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Typical @ 25°C, nominal line and 75% load, unless otherwise specified

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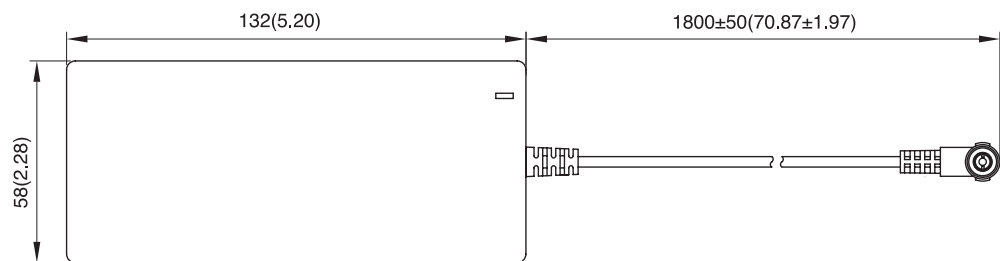
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MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION
PS45A05	5 V	6.00 A	1%	±4%	±1%	±6%
PS45A12	12 V	3.75 A	1%	±2%	±1%	±5%
PS45A15	15 V	3.00 A	1%	±2%	±1%	±3%
PS45A18	18 V	2.50 A	1%	±2%	±1%	±2%
PS45A19	19 V	2.37 A	1%	±2%	±1%	±2%
PS45A24	24 V	1.88 A	1%	±2%	±1%	±2%
PS45A48	48 V	1.00 A	1%	±2%	±1%	±2%

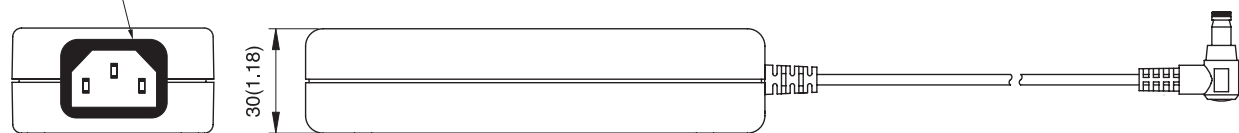
Note:

1. Voltage setpoint at 60% load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to 100% load and from 60% to 20% load (60% +/- 40% load)

Unit: mm (in)



IEC320/C14



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Stock items fitted with 2.5 x 5.5 x 11mm Right Angle barrel connector, centre positive

Options:- Alternative output leads and connector – consult sales office
In-line ferrite core on output lead – consult sales office