

Desk Top Power Supplies

POWER
SOLVE

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PS70A Series
66-70 Watts Switch Mode
Universal AC Input

Features

- Universal Input: 90 ~ 264Vac
- Continuous Short Circuit Protection
- Meets EN55022 Class "B", conducted
- High Efficiency, 85% Typical
- Optional output connector
- IEC320 3 pin input



Electrical Specification

INPUT

Voltage	90 ~ 264 VAC
Frequency	47 to 63Hz
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

Holdup 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	350 grams approx
AC Inlet	IEC320/C14

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

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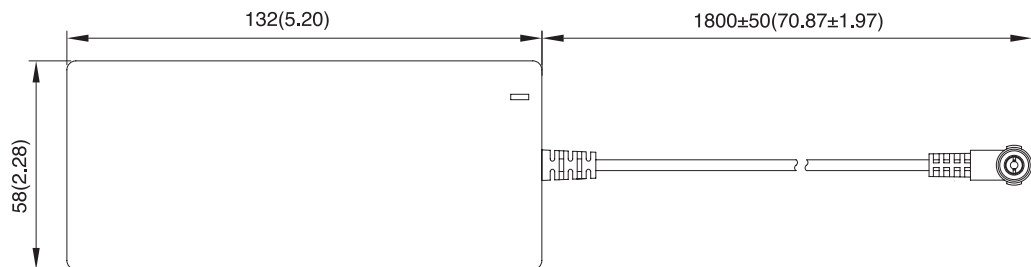
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MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION
PS70A12	12 V	5.5 A	1%	±2%	±1%	±5%
PS70A15	15 V	4.6 A	1%	±2%	±1%	±3%
PS70A18	18 V	3.9 A	1%	±2%	±1%	±2%
PS70A19	19 V	3.7 A	1%	±2%	±1%	±2%
PS70A24	24 V	3.0 A	1%	±2%	±1%	±2%
PS70A48	48 V	1.5 A	1%	±2%	±1%	±2%

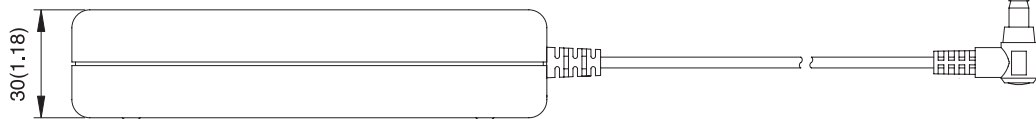
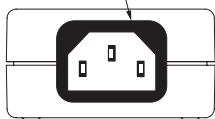
Note:

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 full load and from 60% to 20% load (60% +/- 40% load)

Unit: mm (in)



IEC320/C14



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

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