

Desk Top Power Supplies

**POWER
SOLVE**

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PSDE36-65 Series 36 to 65 Watts Switch Mode

Features

- Universal Input Range 90-264VAC
- Continuous Short Circuit Protection
- Over Voltage, Over Current & Over Temperature Protection
- Operating Temperature Range of 0 to 40°C
- No Load Power Consumption $\leq 0.5W$ max
- Meets CEC Level V Energy Saving
- Class II Safety



Electrical Specification

Input Voltage Range	90-264VAC
Input Current	1.5A max.
Frequency	47-63Hz
Isolation - Input/Output	3000VAC
Leakage Current	250 μ A max. at 240VAC 60Hz
Insulation Resistance	>100M Ohm/500VAC 10mA for 1 minute between primary & secondary
Hi-Pot Test	4.242kV between primary & secondary for 1 second
DC Output	see table
Output Connector Type	Standard -02 variant, 2.5 x 5.5 x 11mm barrel type, others connectors optional
Load Regulation	$\pm 5\%$
Ripple & Noise	1% Vout max
No Load Standby Power	$\leq 0.5W$
Efficiency	minimum 87% at active average load to conform with CEC level V requirements
Hold-up Time	12ms minimum at 115VAC 60Hz
Turn On Delay	5s max.
Overshoot	8% max.
Short Circuit Protection	continuous, auto-recovery after fault removed
Over Voltage Protection	output will shutdown, recycle input to recover
Over Current Protection	self limiting auto recovery
Over Temperature Protection	output will shutdown and latch
Operating Temperature Range	0 to +40°C
Storage Temperature Range	-20 to +85°C
Humidity	10 to 90% RH, non-condensing
Safety Approvals	CE, GS, UL, cUL
EMC	EN55022 class B, FCC 15 class B, CISPR 22 class B
MTBF Figures	>280,000 Hours to MIL-HDBK-217F(Notice 2)
Mechanical	see drawing

Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX POWER
PSDE36-09-(XX)	9.3V DC	4.0A	36 Watts
PSDE60-12-(XX)	12V DC	5.0A	60 Watts
PSDE65-18-(XX)	18V DC	3.6A	65 Watts
PSDE65-19-(XX)	19V DC	3.42A	65 Watts
PSDE65-20-(XX)	20V DC	3.25A	65 Watts
PSDE65-24-(XX)	24V DC	2.7A	65 Watts

NOTE: (XX) in part number denotes output connector type. Standard stock items have 2.5 x 5.5 x 11mm centre positive barrel connector. Therefore part number would be PSDE60-12-02. Other connectors are available which would be a different 2 digit number, consult sales office for details.

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Mechanical Details

Dimensions in inches(mm)
Weight Approx 250 grams

