

Desk Top Power Supplies



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PSGE40-65 Series 40-65 Watts Single DC Output

Features

- Meets CEC Level V Requirements
- Universal AC Input
- Conforms to RoHS
- IEC320 C14 3 pin AC input connector
- EMC to EN55022'B', CISPR22 'B' & FCC 'B'
- Desk Top Plastic Enclosure
- Optional DC Output Connectors
- Limited Power Source complies with IEC60950-1 sect 2.5



Electrical Specification

INPUT

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Safety Ground Leakage Current	<0.7mA max @ 240VAC
No Load Input Power	≤ 0.3W max

OUTPUT

Output Voltage & Current	See table
Output Power	40-65 Watts see table for models
Output Ripple & Noise	1% max of output voltage
Transient Response Time	4mS max full load to half load 100VAC input
Line Regulation	1% max
Load Regulation	±5% max
Output Protection	Overcurrent & Overvoltage

ENVIRONMENTAL

Operating Temperature	-10 to 40°C, ambient
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% max

GENERAL

Efficiency	>87% minimum
Turn On Delay	Output shall reach steady state within 3 seconds max
Power On Indicator	LED
MTBF(Bellcore) Figures	>300,000 hours

SAFETY

Withstand Voltage	Primary to Secondary 4242V DC, Primary to Ground 2121V DC
Insulation Resistance	100Mohm minimum between primary & secondary
Safety Approvals	UL/cUL60950, TUV/GS(EN60950), CB, CCC
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'

MECHANICAL

See drawing

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Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSGE40-12-(XX)	12V DC	3.33A	40 Watts
PSGE40-15-(XX)	15V DC	2.67A	40 Watts
PSGE40-16-(XX)	16V DC	2.5A	40 Watts
PSGE40-18-(XX)	18V DC	2.22A	40 Watts
PSGE40-24-(XX)	24V DC	1.67A	40 Watts
PSGE60-15-(XX)	15V DC	4.00A	60 Watts
PSGE60-16-(XX)	16V DC	3.75A	60 Watts
PSGE65-12-(XX)	12V DC	5.42A	65 Watts
PSGE65-18-(XX)	18V DC	3.61A	65 Watts
PSGE65-24-(XX)	24V DC	2.71A	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 PSGE40-12-02. Other connectors are available which would be a different 2 digit number, consult sales office for details. Other output voltages also available consult sales office for details.

Mechanical Details

Weight 280 grams (approx)

Dimensions in mm

