

Desk Top Power Supplies

**POWER
SOLVE**

PSG40-60 ES Series 40-60 Watts Single DC Output

www.powersolve.co.uk

Features

- Meets CEC 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



Electrical Specification

INPUT

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Safety Ground Leakage Current	<1mA max
No Load Input Power	0.5W max

OUTPUT

Output Voltage & Current	See table
Output Power	40-60 Watts see table for models
Output Ripple & Noise	200mV pk-pk max (depending on 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	0 to 40°C, ambient
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% max

GENERAL

Efficiency	>85% average
MTBF	>100,000 hours @ 25°C calculated to MIL-HDBK-217F
Power On Indicator	LED

SAFETY

Withstand Voltage	Primary to Secondary 4242V DC, Primary to Ground 2121V DC
Isolation Resistance	500Mohm Min
Safety Approvals	UL/cUL60950, TUV/GS(EN60950), CB
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'

MECHANICAL

UL94V-1 plastic enclosure, dimensions 117.5 x 53 x 31mm, output cable 1.2 metre

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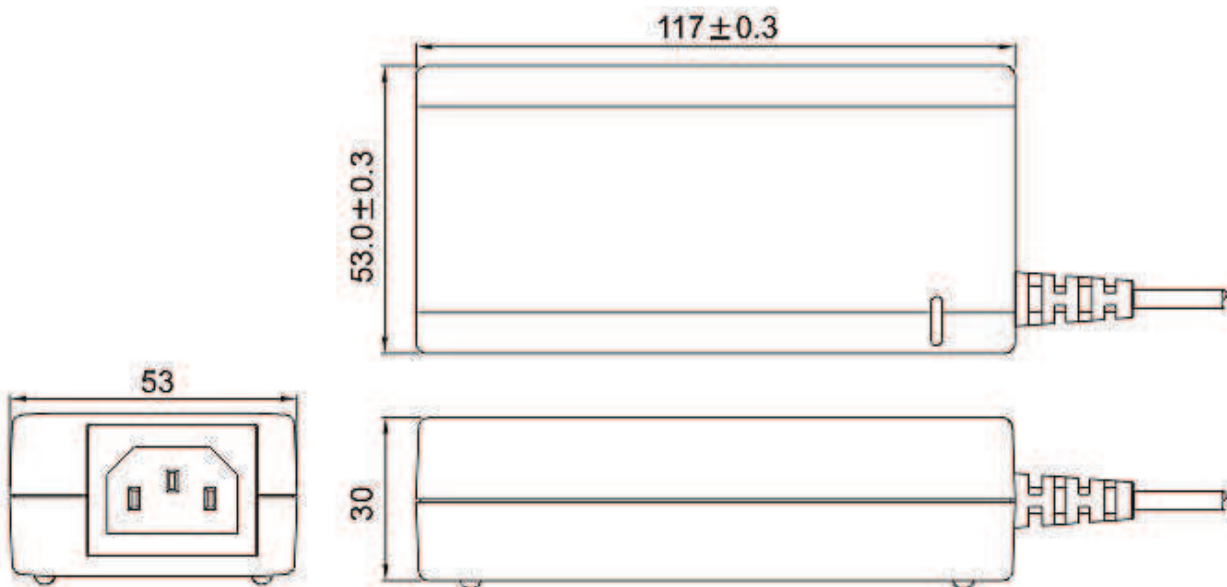
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Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSG40-12-(XX)ES	12V DC	3.33A	40 Watts
PSG45-09-(XX)ES	9V DC	5.00A	45 Watts
PSG50-12-(XX)ES	12V DC	4.16A	50 Watts
PSG60-12-(XX)ES	12V DC	5.00A	60 Watts
PSG60-15-(XX)ES	15V DC	4.00A	60 Watts
PSG60-16-(XX)ES	16V DC	3.75A	60 Watts
PSG60-18-(XX)ES	18V DC	3.33A	60 Watts
PSG60-19-(XX)ES	19V DC	3.16A	60 Watts
PSG60-20-(XX)ES	20V DC	3.00A	60 Watts
PSG60-24-(XX)ES	24V DC	2.50A	60 Watts
PSG60-30-(XX)ES	30V DC	2.00A	60 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 PSG40-12-02ES. Other connectors are available which would be a different 2 digit number, consult sales office for details.

Mechanical Details



Weight: 280 grams approx
Tolerances: ± 0.4 mm