

# Desk Top Power Supplies

**POWER  
SOLVE**

[www.powersolve.co.uk](http://www.powersolve.co.uk)

## PSG30, 40, 45, 50 & 60 Series

### 30-60 Watts Switch Mode

### Universal AC Input

The NEW PSG series is a range of 30-60 Watt switch mode desk top power supplies in a very compact enclosure measuring only 108 x 65 x 31mm.

They are ideal for applications where a small low cost external power supply is required for powering equipment such as LCD monitors, Notebook Computers, Printers, POS, Modems etc.



#### Specification

Input Voltage:	90–264 VAC
Input Current:	Max 1.7A @ 90V AC input
Input Frequency:	47–63Hz
Efficiency:	83% minimum, at full load with 115V I/P
DC Outputs:	See table
Output Ripple & Noise:	50mV or 1% whichever is greater
Output Turn-On Delay:	Max 3 seconds
Output Overvoltage Protection:	Standard
Hold Up Time:	8 ms minimum
Operating Temperature:	0 to 40°C
Storage Temperature:	–40 to +85°C
Humidity:	10–90% non-condensing (operating)
Vibration & Shock:	2G at 20–30Hz, 50G for 20ms in all 3 orthogonal planes.
EMI:	EN55022'B' & FCC'B'
Leakage Current:	3.5mA max at 230 V AC input
Reliability:	>100,000 hours at 25°C to MIL-HDBK-217F
Safety:	cUL/ UL60950, TUV, EN60950 & CCC (Chinese) PSE (Japanese) & EK (Korean) approvals available on some models, consult sales office.

Note: All models except PSG30-05 & 06 are approved as a limited power source

#### Output Voltage/Current Rating Chart - PSG Series

Model	Output V	Output I
PSG30-05-XX	5 V	6.00A
PSG30-06-XX	6 V	5.00A
PSG45-09-XX	9 V	5.00A
PSG40-12-XX	12 V	3.33A
PSG50-12-XX	12 V	4.16A
PSG60-12-XX	12 V	5.00A
PSG60-15-XX	15 V	4.00A
PSG60-16-XX	16 V	3.75A
PSG60-18-XX	18 V	3.33A
PSG60-19-XX	19 V	3.16A
PSG60-20-XX	20 V	3.00A
PSG60-24-XX	24 V	2.50A
PSG60-30-XX	30 V	2.00A

**Note:** XX on part number is code for output connector fitted.  
Standard stock items are –02 which is for 2.5 x 5.5 x 9.5 barrel connector centre +ve. Other connector versions would have a different suffix.

Consult sales office for details.

