

# Desk Top Power Supplies



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## PSE24 Series 24 Watts Switch Mode Universal AC Input

The PSE24 Series is a range of plastic fully sealed, splash proof, desk top power adaptors. All units are UL94V-1 compliant and carry full UL, cUL (UL60950) and TUV/GS (EN60950) safety approvals. All models are 100% tested and burned in.



### Features

- 8 standard models
- Single output
- Optional output connectors
- 100% burn-in
- Wide input voltage range of 90 to 264 VAC
- Input surge current protection
- Short circuit protection

### Electrical Specification

#### INPUT

Input voltage	90 to 264 VAC
Input frequency	47 to 63 Hz
Input current	0.7A Max 115V AC Input
Safety ground leakage current	0.75mA max @ 240 VAC 50Hz

#### OUTPUT

Output voltage	See Rating Chart
Output current	See Rating Chart
Output power range	0 to 24 watts
Ripple	1% peak to peak maximum
Temperature coefficient	All outputs $\pm 0.04\%/^{\circ}\text{C}$ maximum
Transient response	4mS full load to half load, 100VAC Input

#### ENVIRONMENTAL

Operating temperature	0°C to +70°C, derate linearly above 40°C to 50% at +70°C
Relative Humidity	5% to 95% non-condensing

#### GENERAL

Efficiency	75% Typical
Hold-up time	12mS 110VAC input, full load output
Line regulation	0.5% Typical 1% max
Inrush current	30A max, 230VAC Input, Cold Start
Withstand voltage	500 VAC from output to ground
Insulation resistance	50 Mohm minimum from output to ground
Mean time between failure	100,000 hours minimum at full load at 25°C ambient
EMI requirements	Meets conduction limits of (a) FCC 20780 CLASS B (b) CISPR
Safety approvals	UL/cUL60950, TUV/GS (EN60950)

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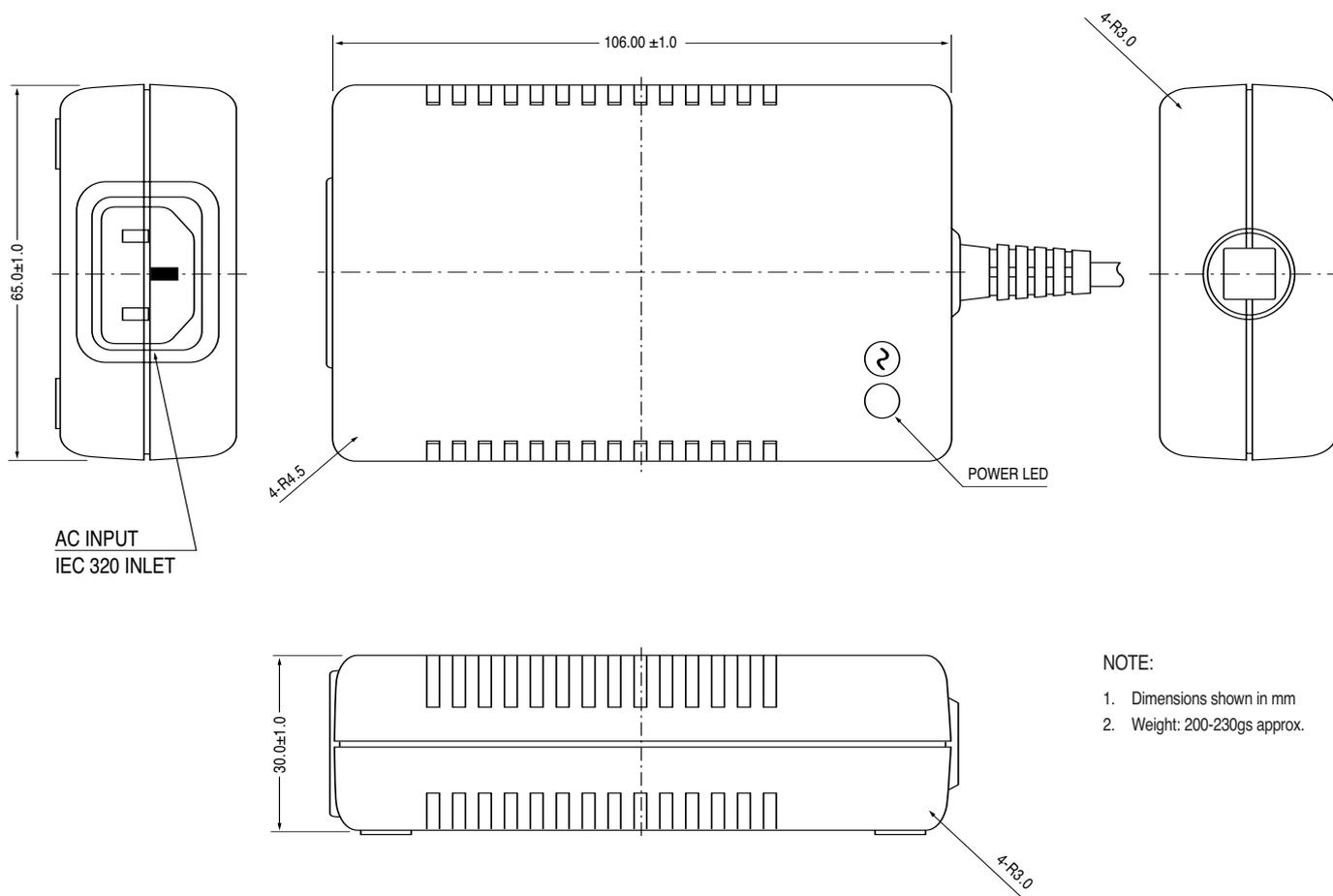
## Output Voltage/Current Rating Chart - PSE24 Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSE24-105	5V DC	3 Amp	15 Watts
PSE24-209	9V DC	2.22 Amp	20 Watts
PSE24-312	12V DC	2 Amp	24 Watts
PSE24-415	15V DC	1.6 Amp	24 Watts
PSE24-516	16V DC	1.5 Amp	24 Watts
PSE24-518	18V DC	1.33 Amp	24 Watts
PSE24-624	24V DC	1 Amp	24 Watts
PSE24-948	48V DC	0.5 Amp	24 Watts

Models above are standard ex-stock items with 3 pin IEC320 inlet connector. Output lead is via 1.8 Metre long fitted with a 2.1 x 5.5 x 11mm Female Barrel Connector, wired centre positive.

**Options:** Alternative output connectors available, consult sales office with your requirements  
 Any output voltage is available within the range of 5V to 48V DC  
 Some of above options may be subject to minimum order quantity.

### MECHANICAL DIMENSIONS mm



NOTE:  
 1. Dimensions shown in mm  
 2. Weight: 200-230gs approx.