



## 12 Watt Fixed Wall Plug Series



### Features

- Limited Power Source (LPS)
- Class B EMI
- Level VI Compliant
- Class II Double Insulated
- High Efficiency
- Low Cost

### Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- PDA

### Safety Approvals

- cUL/UL
- CB

### Mechanical Characteristics

- Length: 71.5mm (2.82in)
- Width: 50mm (1.97in)
- Height: 31.2mm (1.23in)
- Weight: 124g (4.37oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P (max.)	Regulation Line & Load
		Min.	Max.		
PSAC12A-050	5V	0A	2.4A	100mV	±5%
PSAC12A-060	5.9V	0A	2.0A	100mV	±5%
PSAC12A-075	7.5V	0A	1.6A	100mV	±5%
PSAC12A-090	9V	0A	1.33A	120mV	±5%
PSAC12A-120	12V	0A	1.0A	120mV	±5%
PSAC12A-150	15V	0A	0.8A	150mV	±5%
PSAC12A-240	24V	0A	0.5A	240mV	±5%
PSAC12A-480	48V	0A	0.25A	400mV	±5%

Notes: (1) Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz.

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**Input:**

**AC Input Voltage Rating**  
100 to 240V AC

**AC Input Voltage Range**  
90 to 264V AC

**AC Input Frequency**  
47 to 63Hz

**Input Current**  
0.5A (RMS) maximum at 120V AC  
0.25A (RMS) maximum at 230V AC

**Leakage Current**  
0.25mA maximum at all line conditions

**Inrush Current**  
<30A for 120V AC at maximum load  
<60A for 230V AC at maximum load  
(Cold start at ambient 25°C)

**Input Power Saving**  
0.1W maximum at no load

**Output:**

**Efficiency**  
US DOE Level VI

**Environmental:****Temperature**

Operation	0 to +40°C
Non-operation	-40 to +85°C
Humidity	50 to 90%

**Emissions**

FCC Class B  
EN55022Class B

**Immunity**

IEC610004-2  
IEC610004-3  
IEC610004-4  
IEC610004-5  
IEC610004-6  
IEC61000-4-8  
IEC61000-4-11  
EN61000-3-2

**Hold-up Time**

8mS minimum at 120V AC and maximum load

**Over-Voltage Protection**

<150%

**Over-Current Protection**

Output equipped with short circuit protection – auto-restart

**Short-Circuit Protection**

Output can be shorted without damage

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000V AC for 1 min.,  
10mA

**DC Output Connector**

2.1 x 5.5mm Center Positive Barrel

# Dimension Diagram Unit: mm (inch)

