



## 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

- UL/cUL 60950-1
- UL/cUL 62368-1

### 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-R	5V	0A	2.4A	100mV	±5%
PSAC12A-060-R	5.9V	0A	2.0A	100mV	±5%
PSAC12A-075-R	7.5V	0A	1.6A	100mV	±5%
PSAC12A-090-R	9V	0A	1.33A	120mV	±5%
PSAC12A-120-R	12V	0A	1.0A	120mV	±5%
PSAC12A-150-R	15V	0A	0.8A	150mV	±5%
PSAC12A-240-R	24V	0A	0.5A	240mV	±5%
PSAC12A-480-R	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.

**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<sup>2</sup>**  
US DOE Level VI

**Environmental:****Temperature**

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

**Emissions**

Complies with FCC Class B  
Complies with EN55032 Class 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

## Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in

Dimension Diagram Unit: mm



**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this product series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.