



## 30 Watt Universal 2-Wire Input Medical Adapter PSAM30R Series Adapter Meets CEC and EISA Requirements



V071146



### Features

- Double Insulated
- <100uA Leakage Current
- Class B EMI
- No Load Power Draw<0.5W at 115V AC
- No Load Power Draw<0.75W at 230V AC
- EISA Energy Efficiency Compliancy

### Applications

- Dental Curing Devices
- Patient Hoists
- Portable Dental Equipment

### Safety Approvals

- cUL/UL
- SAA
- CE
- C-Tick

### Mechanical Characteristics

- Length: 100mm (3.94in)
- Height: 35.7mm (1.41in)
- Width: 63mm (2.48in)
- Weight: 200g (7.05oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P (max.)	Regulation Line & Load
		Min.	Max.		
PSAM30R-120	+12V	0A	2.5A	120mV	±5%
PSAM30R-240	+24V	0A	1.25A	240mV	±5%

(1) Measured with using 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

Interchangeable Clips Sold Separately

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**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**

1.0A maximum at 115V AC, 60Hz

0.5A maximum at 230V AC, 50Hz

**Leakage Current**

10mA maximum at 264V AC, 50Hz

**Inrush Current**

30A for 115V AC at maximum load

60A for 230V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

0.50W maximum for 115V AC, no load

0.75W maximum for 230V AC, no load

**OUTPUT:**

**Output Power**

30W

**Hold-up Time**

10mS minimum at 115V AC, 60Hz

**Over-Voltage Protection**

Included, all models

**Short-Circuit Protection**

Output can be shorted without damage

**Over-Current Protection**

Short circuit protection – auto-restart

**ENVIRONMENTAL:**

**Temperature**

Operation 0 to +40°C

Non-operation -25 to +85°C

Humidity 10 to 90%

**Emissions**

FCC Class B

EN55022 Class B/CISPR22 Class B

**Immunity**

EN50082-1: (EN55024)

EN61000-4-2 Level 3

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 2

EN61000-4-8

EN61000-4-11

EN61000-3-2: Harmonics

EN61000-3-3: Flicker

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

Input to Output: 4000V AC for 1 min., 10mA

**Insulation Resistance**

Input to Output: >7MΩ 500VDC

**DC Output Connector**

2.1 x 5.5 x 9.5mm center positive standard

**AC Input Clips (sold separately)**

RPA: US RPI: India

RPB: Brazil RPK: UK

RPC: China RPN: Argentina

RPE: Europe RPS: Australia

RPH: Korea RPX: C8

**Dimension Diagram Unit: mm (inch)**

