



## 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

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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**

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)**

