



## 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 115VAC
- No Load Power Draw < 0.75W at 230VAC

### Applications

- Dental Curing Devices
- Portable Dental Equipment
- Patient Hoists

### Safety Approvals

- cUL/UL60601-1
- CE
- AS/NZS 3260 & 4417

### Mechanical Characteristics

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

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max.)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSAM30R-120	+12V	0A	2.5A	120mV	±5%		IV 115V III
PSAM30R-240	+24V	0A	1.25A	240mV	±5%		IV 115V III

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

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

## INPUT:

### AC Input Voltage Rating

100 to 240VAC

### AC Input Voltage Range

90 to 264VAC

### AC Input Frequency

47 to 63Hz

### Input Current

1.0A (rms) max. @ 115VAC, 60Hz

0.5A (rms) max. @ 230VAC, 50Hz

### Leakage Current

100uA max. @ 264VAC, 50hz.

### Inrush Current (cold start @ ambient 25°C)

30A for 115VAC at max. load

60A for 230VAC at max. load

### Input Power Saving

0.50W max. for 115VAC, 60Hz at no load (Level IV)

0.75W max. for 230VAC, 50Hz at no load (Level III)

## OUTPUT:

### Efficiency

> 80.6% average efficiency (Level IV)

### Hold-up Time

10mS Min. @ 115VAC, 60Hz

### Over-Voltage Protection

Included, all models

### Over-Current Protection

Output equipped with short circuit protection – auto restart

## Short-Circuit Protection

Output can be shorted without damage

## ENVIRONMENTAL

### Temperature

Operation 0 to +40°C

Non-operation -25 to +85°C

### Relative Humidity

Operation 10 to 90% Non-Condensing

Non-operation 10 to 95% Non-Condensing

## Emissions

FCC Class B

EN55022 Class B / CISPR22 Class B

## Immunity

EN 50082-1: (EN55024)

EN 61000-4-2, Level 3

EN 61000-4-3, Level 2

EN 61000-4-4, Level 2

EN 61000-4-5, Level 3

EN 61000-4-6, Level 2

EN 61000-4-8

EN 61000-4-11

EN 61000-3-2: Harmonics

EN 61000-3-3: Flicker

## Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 4000VAC for 1 minute, 10mA

## DC Output Connector

2.1mm x 5.5mm center positive standard

## AC Input Clips (sold separately)

US: RPA

Europe: RPE

UK: RPK

Australia: RPS

## Dimension Diagram Unit: mm

