



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
- EISA Energy Efficient Compliance

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.

Interchangeable clips sold separately.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit 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

