



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



V071146

N136



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 ⁽¹⁾ 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

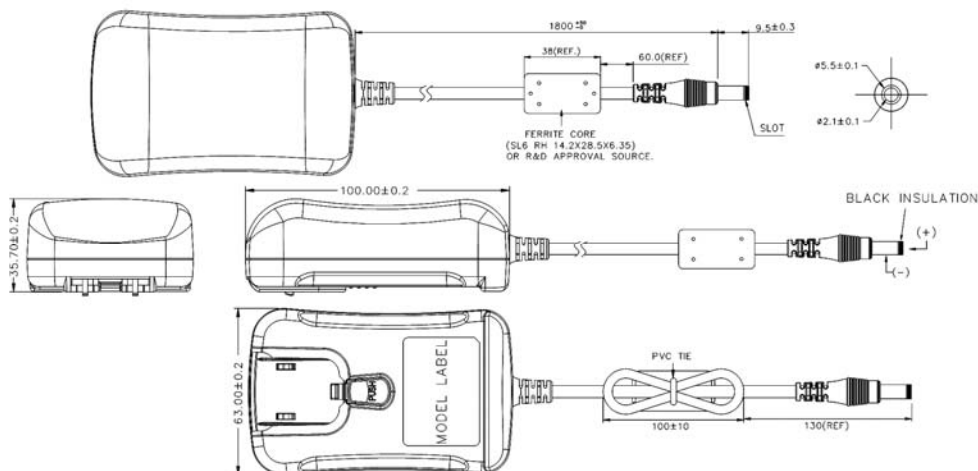
Input to Output: >7MOhm 500VDC

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)

Mouser Electronics

Authorized Distributor

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[PSAM30R-120-R](#) [PSAM30R-240-R](#)