



Smallest 30W Universal 2-Wire Input Adapter PSA30W Adapter is Level V Efficient



Features

- Very Small
- Low Cost
- Low Leakage
- Level V Efficiency Compliance
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC Compliant
- Input Power Saving <0.2W

Applications

- Portable Equipment
- Peripherals
- Netbook Computing
- Gaming Machines

Safety Approvals

- CE
- TUV
- cUL/UL

Mechanical Characteristics

- Length: 80mm (3.14in)
- Width: 35mm (1.38in)
- Height: 24mm (0.94in)
- Weight: 110g (3.9oz)

Output Specifications

Model	DC Output Voltage Range	Load			Ripple P-P (max.)	Efficiency Level
		Min.	Max.	Peak.		
PSA30W-190A-R	18.05~19.95V	0A	1.6A	1.8A	190mV	V

INPUT:

AC Input Voltage Range
90 to 264VAC

AC Input Voltage Rating
100 to 240VAC

AC Input Frequency
47 to 63Hz

Max In-Rush Current
60A maximum for 230VAC at maximum load

AC Input Current
0.8A (RMS) maximum at 110VAC

Leakage Current
0.25mA maximum at all line conditions

Input Power Saving
<0.2W for 240VAC at no load

OUTPUT:

Output Power
30W continuous

Efficiency
Meets requirements for Level V marking

Hold up time
>5ms at 100VAC, 50Hz and full load

ENVIRONMENTAL

Operating Temperature 0 to 40°C
Storage Temperature -20 to 80°C

Operating Humidity 20 to 80% ±

EMI

EN55022 class B, FCC Part 15 class B

Immunity

IEC61000-4-2
IEC61000-4-3
IEC61000-4-4
IEC61000-4-5
IEC61000-4-6
IEC61000-4-8
IEC61000-4-11
EN61000-3-2
EN61000-3-3

Isolation (Hi-POT)

Input to Output: 3000VAC for 5mA, 1 minute

Insulation Resistance

Input to Output: 500VDC 100M ohm, 1minute

FEATURES

Over Current Protection

2.0~2.8A at nominal input and full load

Short Circuit Protection

The output can be shorted permanently without damage

Over Voltage Protection

23V (min) ~ 34V (max) Vo

AC Input Connector

IEC320 C8 two-wire

DC Output Connector

2.5 x 5.5mm center positive barrel

Dimension Diagram Unit: mm

