



## 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**

&lt;0.2W for 240VAC at no load

**OUTPUT:****Output Power**

30W continuous

**Efficiency**

Meets requirements for Level V marking

**Hold up time**

&gt;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**