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Smallest 40W Universal 2-Wire Input Adapter PSA40W Adapter is Level V Efficient





#### Features

- Very Small
- Low Cost
- Low Leakage
- Level V Efficiency Compliance

### **Applications**

- Portable Equipment
- Peripherals

#### Safety Approvals

- CE
- TUV

# **Mechanical Characteristics**

- Length: 90mm (3.54in)
- Width: 35mm (1.38in)

• Netbook Computing

Input Power Saving <0.2W

Gaming Machines

Class B EMI

Compliant

Ecodesign ErP Directive 2009/125/EC

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- cUL/UL
- Height: 27mm (1.06in)
- Weight: 125g (4.4oz)

# **Output Specifications**

Model	DC Output	Load			Ripple	Efficiency
	Voltage Range	Min.	Max.	Peak.	P-P (max.)	Level
PSA40W-190-R	18.05~19.95V	0A	2.1A	2.3A	190mV	V

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#### **PSA40W Characteristics**

**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 150A maximum for 220VAC at maximum load

AC Input Current 1.0A (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 40W continuous

**Efficiency** Meets requirements for Level V marking

Hold up time >6ms at 100VAC, 50Hz and full load

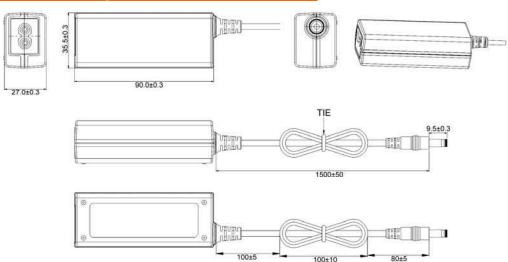
### ENVIRONMENTAL

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

Operating Humidity

20 to 80%

### **Dimension Diagram Unit: mm**



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**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** 2.3~3.8A 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