



## 120 Watt Universal 3-Wire Input Adapter Meets Level VI Efficiency PSA120U Adapter Series



### Features

- Level VI Efficiency Compliant
- Compliant with Ecodesign ErP Directive 2009/125/EC level 2 annex 1b
- Non-vented/Spill-proof Case
- Class B EMI

### Applications

- Networking
- Peripherals
- Industrial
- Test and Measurement

### Safety Approvals

- UL 60950-1
- CSA 22.2 60950-1
- TUV

### Mechanical Characteristics

- Length: 152mm (5.98in)
- Width: 73mm (2.88in)
- Height: 37mm (1.45in)
- Weight: 800g (1.76lbs)

### Output Specifications

Model	DC Output Voltage	Load		Efficiency Level
		Min.	Max.	
PSA120U-120L6 <sup>(1)</sup>	12V	0A	9A	VI
PSA120U-240L6	24V	0A	6A	VI
PSA120U-480L6	48V	0A	3A	VI
PSA120U-540L6	54V	0A	2.22A	VI
PSA120U-560L6	56V	0A	2.14A	VI

(1) 12V model is 100W

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**Input:****AC Input Voltage Rating**

115 to 230VAC

**AC Input Voltage Range**

90 to 264VAC

**AC Input Frequency**

47 to 63Hz

**Input Current**

1.5A at 115VAC

0.75A at 230VAC

**Leakage Current**

&lt;250uA at 250VAC/50Hz

**Inrush Current**

&lt;220A at 115VAC

&lt;220A at 230VAC

(Cold Start at ambient 25°C)

**Input Power Saving**

≤0.15W at 230VAC input

**OUTPUT:****Efficiency Level**

DOE Level VI

CoC V5 Tier 2

**Over-Voltage Protection**

&lt;70V auto-recover

**Over-Load, Short-Circuit &****Over-Temperature Protections**

Auto-recover

**Ripple (P-P Max)**

12V 200mV

24V 380mV

48V 480mV

54V 500mV

56V 560mV

(Measured using 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel)

**Regulation (Line & Load)**

±5%

**ENVIRONMENTAL****Temperature**

Operation 0 to + 40°C

Non-operation -20 to ~ +80°C

Humidity 10 to 90%

**Emissions**

FCC Class B

EN55022 Class B

EN61000-3-2 Class D

EN61000-3-3

**Immunity**

ESD EN61000-4-2

RS EN61000-4-3

EFT EN61000-4-4

Surge EN61000-4-5

CS EN61000-4-6

Power Frequency Magnetic Field EN61000-4-8

Voltage Dips EN61000-4-11

**Dielectric Withstand (Hi-Pot) Test**

Primary to Secondary: &gt;3000V AC for 1 min., 10mA

**DC Output Connector (12V model)**

4 pin Mini DIN

**DC Plug pin assignment**

Pin 2,4 (+V)

Pin 1,3 GND (-)

**DC Output Connector (24V, 48V, 54V & 56V models)**

2.5 x 5.5mm Center Positive Barrel Standard

**DC Plug pin assignment**

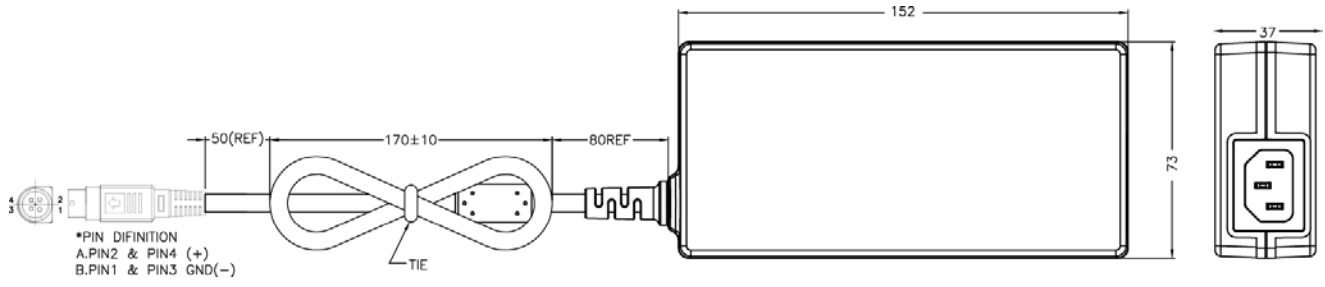
Inner (+V)

Outer GND (-)

**Input Connector**

3-Wire IEC320-C14

PSA120U-120L6



PSA120U-240L6, PSA120U-480L6, PSA120U-540L6, PSA120U-560L6

