



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
- TÜV

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	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

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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

<250uA at 250VAC/50Hz

Inrush Current

<220A at 115VAC

<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

<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: >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

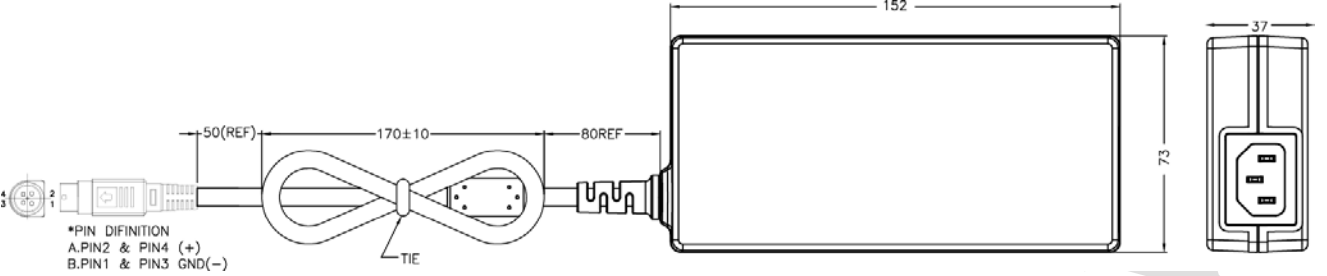
Inner (+V)

Outer GND (-)

Input Connector

3-Wire IEC320-C14

PSA120U-120L6



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

