



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 ⁽¹⁾	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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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

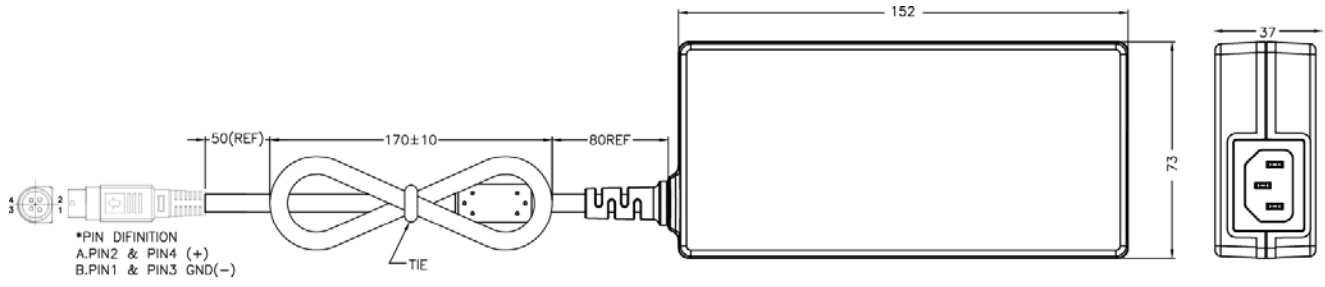
Inner (+V)

Outer GND (-)

Input Connector

3-Wire IEC320-C14

PSA120U-120L6



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

