



120 Watt Universal 3-Wire Input Adapter PSA120U Adapter Series meets EISA Requirements



Features

- EISA Compliant
- Class B EMI
- Non-vented/Spill-proof Case
- Level IV Efficiency Compliant

Applications

- Networking
- Peripherals
- Industrial
- Test and Measurement

Safety Approvals

- cUL/UL

Mechanical Characteristics

- Length: 174mm (6.85in)
- Width: 77mm (3.03in)
- Height: 43mm (1.69in)
- Weight: 0.8Kg (1.76lbs)

Output Specifications

Model ¹	DC Output Voltage	Load		Efficiency Level ³
		Min. ²	Max.	
PSA120U-120	12V	0A	10A	IV
PSA120U-240	24V	0A	5.0A	IV
PSA120U-480	48V	0A	2.5A	IV

Notes:

- ¹ MOQs of 200 pieces for 12V model and 220 pieces for 24V and 48V models.
- ² Dynamic load from 0.1A to full load.
- ³ Level IV efficient products no longer qualify for CE and may not be sold in countries in the EU

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**

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

Input Current

2.5A at 100VAC

1.5A at 240VAC

Leakage Current

3.5mA maximum at 254VAC and 50Hz

Inrush Current

65A at 120VAC

130A at 240VAC

(Cold Start at ambient 25°C)

Input Power Saving

<0.5W at no load, 115VAC

<0.75W at no load, 230VAC

OUTPUT:**Efficiency Level**

Level IV Compliant

85% minimum average efficiency

Over-Voltage Protection

Output is protected from over voltage fault at all conditions including open-loop

Over-Power Protection

Auto-Reset

Ripple (P-P Max)

12V 150mV

24V 240mV

48V 480mV

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

Regulation (Line & Load)

±5%

Short-Circuit Protection

Output will withstand a short circuit across the outputs with auto-restart function. Output can be shorted without damage.

ENVIRONMENTAL**Temperature**

Operation 0 to +40°C

Non-operation -20 to +70°C

Humidity 20 to 80%

Emissions

FCC Class B

EN55022 Class B

CISPR22 Class B

Immunity

ESD EN61000-4-2

RS EN61000-4-3

EFT EN61000-4-4

Surge EN61000-4-5

CS EN61000-4-6

Voltage Dips EN61000-4-11

Dielectric Withstand (Hi-Pot) Test

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

MTBF

≥100K Hours when operated at 75% continuous load and ambient 25°C

DC Output Connector (12V model)

Molex P/N: 39-00-0059

Connecting Molex P/N: 39-01-3065

Pin Pin 1: +12V**Connections:** Pin 2: +12V

Pin 3: +12V

Pin 4: GND

Pin 5: GND

Pin 6: GND

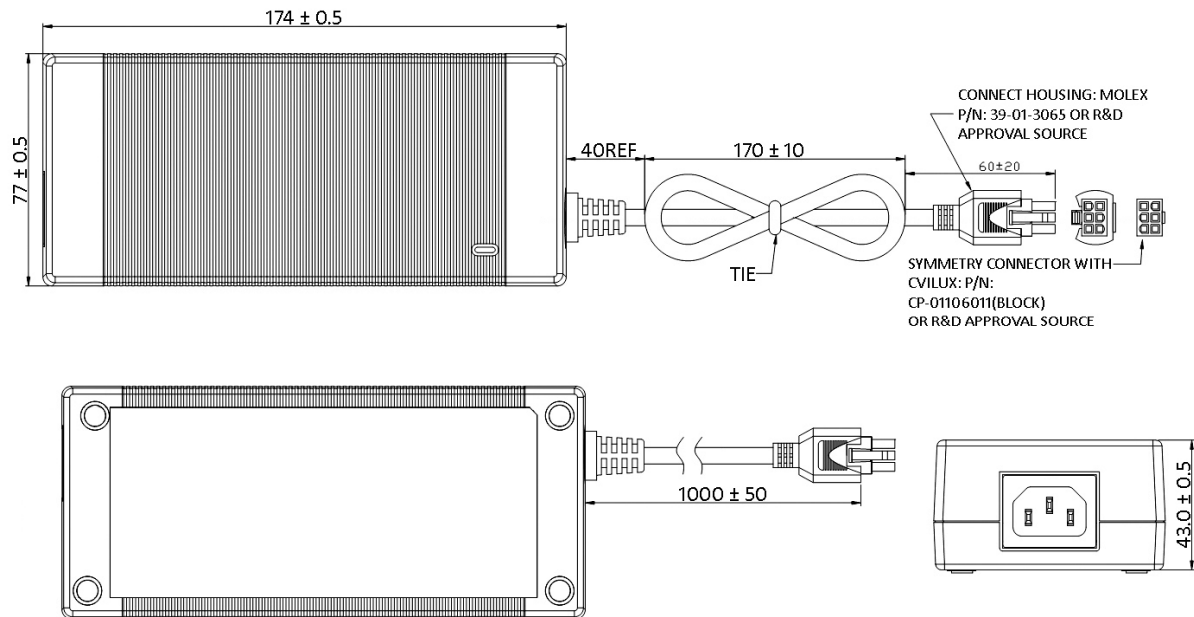
DC Output Connector (24V, 48V and 56V models)

2.5 x 5.5mm Center Positive Barrel Standard

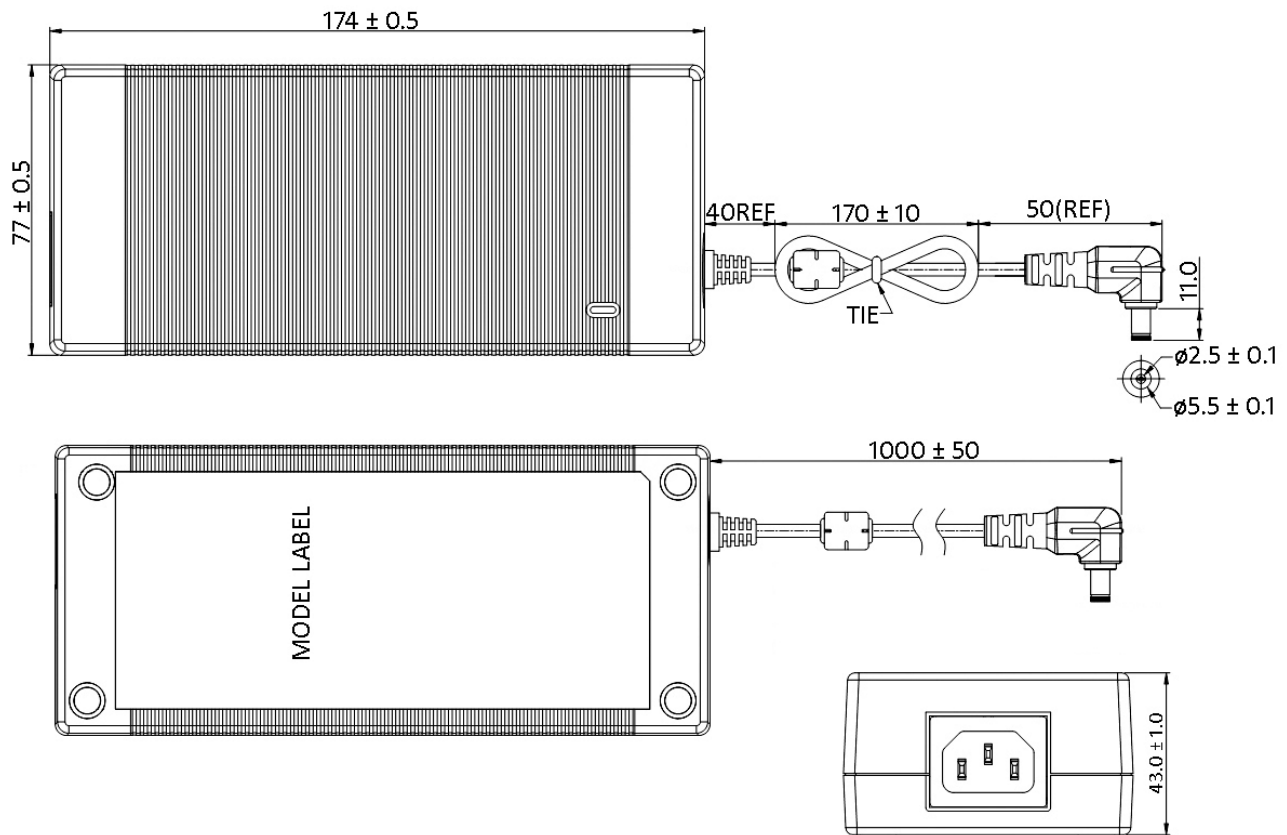
Input Connector

3-Wire IEC320-C14

PSA120U-120-R



PSA120U-240-R & PSA120U-480-R



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phihong:

[PSA120U-240-R](#) [PSA120U-480-R](#) [PSA120U-120-R](#)