



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 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
- CE
- TÜV

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-120V	12V	0A	10A	IV
PSA120U-240V	24V	0A	5.0A	IV
PSA120U-480V	48V	0A	2.5A	IV

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 See more detail on the second page

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

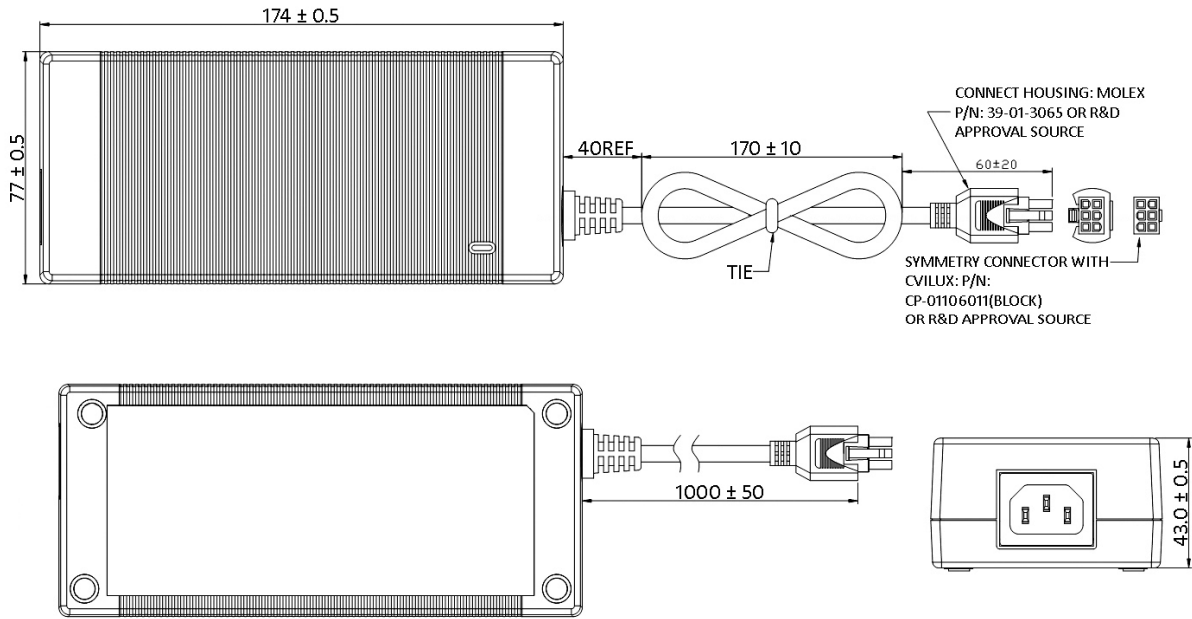
DC Output Connector (24V, 48V and 56V models)

2.5 x 5.5mm Center Positive Barrel Standard

Input Connector

3-Wire IEC320-C14

PSA120U-120-R



PSA120U-240-R & PSA120U-480-R

