



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!



Contact us

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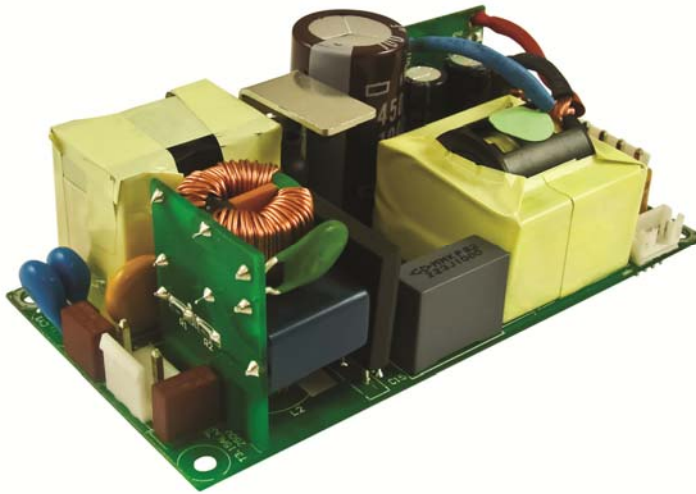
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160 Watt Low Cost Open Frame Power Supply PSA160U 1U Switching Power Supply for IT Solutions



Features

- 2" x 4" footprint
- Class B EMI
- Fits 1U height requirements
- OCP, OVP and Short Circuit Protection

Applications

- IT Equipment
- Cable TV
- Networking Equipment
- Multimedia Equipment

Safety Approvals

- CE
- cUL/UL

Mechanical Characteristics ⁽¹⁾

- Length: 101.6mm (4in)
- Width: 50.8mm (2in)
- Height: 34.5mm (1.36in)
- Weight: 184-195g (6.49-6.88oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple P-P (max.)	Regulation		Max Power ⁽³⁾
		Min.	Max. ⁽²⁾		Line	Load	
PSA160-210-R	12V	50mA	13.34A	200mV	±5%		159.6W
	12V-fan	50mA	0.4A		+30%	-20%	4.8W
PSA160-212-R	24V	50mA	6.67A	270mV	±5%		160.1W
	12V-fan	50mA	0.4A		+30%	-20%	4.8W
PSA160-218-R	48V	50mA	3.34A	400mV	±5%		160.3W
	12V-fan	50mA	0.4A		+30%	-20%	4.8W
PSA160-216-R	56V	50mA	2.86A	480mV	±5%		160.2W
	12V-fan	50mA	0.4A		+30%	-20%	4.8W

Notes (1) – 12V model has a weight of 184g, while all other models weigh 195g

Notes (2) – CFM forced air required, load drops to 56.3% of maximum without fan

Notes (3) – CFM forced air required for full power – 90W without fan

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 Range**

90 to 264VAC

AC Input Rating

100 to 240VAC

AC Input Frequency

47-63Hz

AC Input Current

2.2A (RMS) maximum at 115VAC

1.2A (RMS) maximum at 230VAC

AC Inrush Current

40A maximum at 115VAC

70A maximum at 230VAC

Leakage Current

1mA maximum

OUTPUT:**Output Power**

160W with fan

90W without fan

4.8W – Fan output

Efficiency (at full power)

86-88% at 115VAC

88-90% at 230VAC

ENVIRONMENTAL:

Operating temperature -20°C to 70°C

Storage Temperature -40°C to 85°C

Humidity 20 to 90% RH

Cooling

12.6 CFM for full power

w/ fan - 160W, 100% load at maximum 45°C

w/o fan – 90W, 56.3% load with 35°C

EMC

EN55022 Class B

EMI

EN61000-4-2

EN61000-4-3

EN61000-4-4

EN61000-4-5

EN61000-4-6

EN61000-4-100

EN61000-4-11

EN61000-3-2 Class D

EN61000-3-3

Dielectric Withstand (HI-POT) Test

Primary to Secondary: 3000VAC for 1 minute

Primary to Ground: 1500VAC for 1 minute

Insulation Resistance:

Primary to Secondary: >7M ohm 500VDC

Over-Voltage Protection

135% maximum

Over Current Protection

105~150%, Auto recovery

Short Circuit Protection

Output can be shorted permanently without damage

AC Input Connector

3 Pin 3.96mm, PIN 2 N.C.

DC Output Connector

8 Pin 3.96mm

Fan Output Connector

2 Pin 2.00mm

