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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

PSM1000 1100W 1U RPS and Bulk n+1 Power Supply with active PFC

Features

- SELV Output with 1500VAC Isolation
- 1100W x 3 in 1U 19” Rack
- Hot Plug N+1
- Diagnostic LEDs
- Full Protection OTP, OCP, OVP

Applications

- Power over Ethernet
- Telecommunications
- Network Redundant Power Source
- Servers

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 300mm (11.81in)
- Width: 107mm (4.21in)
- Height: 41mm (1.61in)
- Weight: 2Kg (4lb)

Output Specifications

Model	DC Output Voltage	Min. Load	Max. Load		Max Power
			≤100VAC IN	≥115VAC IN	
PSM1000-216	56V (Main)	0A	17.8A	19.65A	1100W*
	12V (Stand-by)	0A	0.5A		

*Please refer to second page for more specific output power information

Input:

AC Input Voltage Range
90 to 264V AC

AC Input Frequency
47 to 63Hz

Input Current
15A (RMS) max low line
7.5A (RMS) max high line

AC Input Line Fuse
20A/250V

Leakage Current
3.5mA maximum at 264V AC, 50Hz

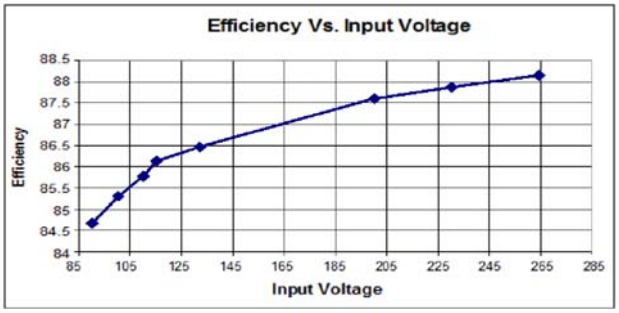
Inrush Current
35A maximum at 115VAC
70A maximum at 230VAC

Hold-up Time
10mS minimum at max load with output dropping to 50V

Output:

Output Power
1100W for AC Input 115VAC to 264VAC
1000W for AC Input 100VAC or less

Efficiency
≥85% (typical) at 115VAC or greater



Output Ripple and Noise
56V=1% pk-pk at ambient 25°C
12V=2% pk-pk at ambient 25°C

Over-Voltage Protection
Latching, OV set at 60V±5%

Thermal Shutdown
Non latching

Over-Current/Short-Circuit Protection
Latching with timer; the 56V output can operate in current mode till short circuit. Output latches within 2-4 seconds if overload or short circuit. The condition will not be removed.

56V Enable/Disable
Non-latching –remote on/off pin, short to output return to enable

Fan Fail
Latching

Environmental:

Temperature

Operation (Standalone)	0 to 50°C
Operation (In Rack)	0 to 40°C
Non-operation	-30 to +70°C

Emissions
FCC Class A
EN55022 Class A

Immunity

ESD:	EN61000-4-2	Level 4
RS:	EN61000-4-3	Level 3
EFT:	EN61000-4-4	Level 3
Surge:	EN61000-4-5	Level 4
CS:	EN61000-4-6	Level 3
Voltage Dips:	EN61000-4-11	
Harmonic:	EN61000-3-2	

Insulation Resistance
Input to Output: 7M ohm 500VDC

Dielectric Withstand (Hi-pot) Test
Primary to Secondary: 4242VDC for 1 minute
Primary to Chassis: 2121VDC for 1 minute
Secondary to Chassis: 2121VDC for 1 minute

Indicators (Front Panel)
DC Good LED – Green
Fault LED – Red (Fan Fail, Thermal Shutdown, Over Load, Short Circuit)

AC Input Connector
IEC320 3-Pin located on the front of the module

DC Output Connector
FCI p/n 51761-10001604AA or Equivalent
Mate FCI p/n 51731-29 or Equivalent
Pin Out +56V main +P1, P2; -56V main = P3, P4; Enable – A4; CS_BUS = D4; +12Vsb =C1, D1; -12Vsb +A1, B1

Dimension Diagram Unit: mm (inch) **WWW.PHIHONG.COM**