



**PSA3000 Rack accommodating 1000-3300W (DC)
Up to 3 PSM1000 Power Supplies**



Features

- Accommodates up to 3 power supplies
- Hot Plug N+ 1
- Busbar output for ease of wiring to Powered Devices

Applications

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

Safety Approvals (per module)

- CE
- cUL/UL

Mechanical Characteristics

- Length: 430mm (16.93in)
- Width: 355.2mm (13.98in)
- Height: 44.6mm (1.76in)
- Weight: 9.97Kg (22lb.)

Output Specifications (per module)

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		

Note (*): Output power will be 1000W at 100V AC input or less, or 1100W at 115V AC input or greater.

INPUT:**AC Input Voltage Range**

90 to 264VAC

AC Input Current

3 x 15A (RMS) maximum for 115VAC

3 x 7.5A (RMS) maximum for 230VAC

AC Input Line Fuse

20A/ 250V (per module)

Leakage Current (per module)

3.5mA maximum @ 254VAC 60Hz

AC Input Frequency (per module)

47-63Hz

AC Inrush Current (per module)

35A (RMS) maximum for 115VAC

70A (RMS) maximum for 230VAC

OUTPUT:**Power**

1000 – 3300W continuous

Efficiency per Module

85% minimum at maximum load, and 115VAC/230VAC

Hold-up Time

10mS min. 120VAC and maximum load without dropping to 50V

Over Voltage Protection (See Module Spec.)OV set at 60V \pm 5%. – latching**Over Current Protection (See Module Spec.)**

Protection against short circuit; Isc max set to 105%-140% full load current per module; Output may be shorted permanently without damage.

ENVIRONMENTAL:**Temperature**

Operation 0 to +40°C

Non-operation -30 to +70°C

Humidity

Operation 8 to 90%

EMI

EN55022 Class A

FCC Class A

(Measured using 3 x PSM1000-216 in PSA3000 rack)

Isolation Test (per module)

Primary to Secondary: 4242V DC

Primary to Field Ground: 2121V DC

Output to Field Ground: 2121 V DC

Immunity (per Module)

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

FEATURE:**Front Panel LED (per module)**

Green - DC Good

Red - Fault condition

Thermal Shutdown

Over Temperature (per module): non latching

Fan Fail (per module)

Latching

Load SharingThe individual unit offers an active feedback circuit, current share and internal isolated diodes. The units in the rack are connected in parallel each sharing \pm 10%.**AC Input Socket**

IEC320 3-pin located on the front of each module

Output Connector

2 outside buss bars (BB1, BB2): +56V output

2 inside buss bars (BB3, BB4): 56V return

CN4 (Signal Connector) – LANDWIN 4202P0820T

Pin 1 Fault 1

Pin 2 Fault 2

Pin 3 Fault 3

Pin 4 Current Share

Pin 5 Ground

Pin 6 -

Pin 7 Standby 12V Return

Pin 8 Standby 12V

