



PSA1554 Rack accommodating 500-1500W (DC) Up to 3 PSM500 Power Supplies



Features

- Accommodates up to 3 power supplies
- Hot Plug N+ 1
- 4 individually current limited output to protect wiring

Applications

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

Safety Approvals (per module)

- CE
- cUL/UL

Mechanical Characteristics¹

- Length: 437.7mm (17.2in)
- Width: 355.4mm (14.0in)
- Height: 43mm (1.7in)
- Weight: 8.2Kg (18lb.)

Output Specifications

| Model | Output | Output Power |
|-------------|--|--------------|
| PSA1554-605 | 1-3 PSM500 ¹ Power Supplies | 500W-1500W |

Note (1): Weight measured with 3 PSM500 units installed.

ENVIRONMENTAL:

Temperature

| | |
|---------------|--------------|
| Operation | 0 to +40°C |
| Non-operation | -30 to +70°C |
| Humidity | 8 to 90% |

FEATURES:

Rear Panel LED

Red LED illuminates when a fault such as SC or Overload has cause the internal PTC to go high impedance.

Enable/Disable (main 50V/56V)

Non latching – remote on/off pin

Load Sharing

10% at full load

Isolated Diode

Internal O-ring Diode Located on main (-) output section

Output Connector

14 pin Molex p/n 39301140
 14 pin Molex p/n39012145 (mating x 4 per rack), pin p/n 39000077 or equivalent

| Signal | Reference Pin |
|---------------|---------------|
| +50V | 1 |
| +50V | 2 |
| +50V Return | 3 |
| Current Share | 4 |
| Not Used | 5 |
| Not Used | 6 |
| Standby 12V | 7 |
| +50V | 8 |
| +50V Return | 9 |
| +50V Return | 10 |
| Not Used | 11 |
| Not Use | 12 |
| *Fault | 13 |
| **Common GND | 14 |

*Fault: A fault low signal at pin 13 of output connector A,B, or C represents a fault to Module 1,2 or 3. A fault low signal at pin 13 of output connector D represents a global fault to rack.

**Common Ground, standby and Fault

Dimension Diagram Unit: mm

