Cisco 6500 and 7600 Series 6000W DC Power Supply

Multiple-Input 6000 Watt DC Power Supply with 2800W and 4500W Options

Cisco® is now offering a new 6000-watt (W) DC power supply for the Cisco 6500 Series switches and 7600 Series routers. This new variable-output supply (Figure 1) scales from 2800W to 6000W.

Figure 1. Cisco 6500 and 7600 Series 6000W DC Power Supply

Feature Advantages

- Variable output design configurable for 6000W, 4500W, or 2800W output corresponding to four, three, or two inputs active
- An efficiency of greater than 85 percent over 30-to-100-percent loads
- Equally sized, multiple inputs, which allow lower fusing requirements and maintain consistent wire gauge between 6000W, 4500W, and 2800W output configurations
- Industry-standard dual post terminals
- Terminal design that includes removable input power adaptor modules for easy power replacement without the time-consuming removal and reinstallation of multiple terminal lugs
- Locking latch mechanism to prevent accidental removal of power adapter module while the power is on
- Terminal design that facilitates cable entry from left or right side
- Designed for 45-degree-angle terminal lugs; ships with nine 45-degree-angle lugs and American Wire Gauge (AWG) #4 cables
- Compatible with the Cisco 6506, 6506E, 6509, 6509E, 6509VE, 6509NEB-A and 6513 switches
- Compatible with the Cisco 7609-S, 7609, and 7613 routers
- Compliant with Network Equipment Building Standards (NEBS) Level 3

Technical Specifications

Table 1 gives the technical specifications for the Cisco 6500 and7600 Series 6000W DC Power Supply.

Table 1. Technical Specifications

Feature	Specification
Power Supply Output Capacity	6000W with four inputs active 4500W with three inputs active 2800 with two inputs active
Maximum Heat Dissipation	24,100 BTU per hour at maximum 6000W load 18,100 BTU per hour at maximum 4500W load 11.200 BTU per hour at maximum 2800W load
DC-Input Voltage	–48 VDC nominal at 37A in North America (operating range: –40.5 VDC to –56 VDC) –60 VDC nominal at 30A for international (operating range: –55 VDC to –72 VDC)
DC-Input Current	40A per each DC input at –48 VDC input voltage (total of four inputs)
Power Supply Output	2800W operation (two DC inputs) • 25.0A at 3.3 VDC • 12.0A at 12 VDC • 61.2A at 42 VDC 4500W operation (three DC inputs) • 25.0A at 3.3 VDC • 12.0A at 12 VDC • 101.9A at 42 VDC 6000W operation (four DC inputs) • 25.0A at 3.3 VDC • 12.0A at 12 VDC • 137.4A at 42 VDC
DC Input Terminal Block	Accepts 2-hole copper compression-type conductors (Actual size of the wire needed is determined by the power engineer or local electrician in accordance with national or local electric codes.)
Output Holdup Time	8 ms
Lugs Required	Industry-standard 2-hole compression lug; accepts up to AWG #2; ships with nine 45-degree-angle lugs and AWG #4 cables
Hex Nut with Integrated Washer	1/4 inch – 20
Chassis Compatibility	Cisco 6506, 6506E, 6509, 6509E, 6509VE, 6509NEB-A, 6513 switches Cisco 7609-S, 7609, and 7613 routers
Minimum Software Support	Cisco IOS® Software Release 12.2(33)SXF13, 12.2(33)SXH1 and 12.2(33)SXI for 6500 Series Cisco IOS® Software Release 12.2(33)SRA for 7600 Series

Regulatory Compliance

- CE marking
- CCC marking
- Safety
  - UL 60950
  - IEC 60950
  - EN 60950
  - CAN/CSA-C22.2 No. 60950
  - AS/NZS 3260/TS001

- EMC
  - FCC Part 15 (CFR 47) Class A
  - ICES-003 Class A
  - EN55022 Class A
  - CISPR22 Class A
  - AS/NZS 3548 Class A
  - VCCI Class A
  - EN55024
  - ETS300 386
  - EN50082-1
  - EN61000-3-2
  - EN61000-3-3
  - EN61000-6-1
- Industry Standards
  - GR-63-Core NEBS Level 3
  - GR-1089-Core NEBS Level 3
  - ETSI 300 019 Storage Class 1.1
  - ETSI 300 019 Transportation Class 2.3
  - ETSI 300 019 Stationary Use Class 3.1

Service and Support

Cisco offers numerous service and support offerings for both service provider and enterprise customers. Cisco has earned the highest customer satisfaction ratings in the industry by providing the world-class service and support necessary to deploy, operate and optimize networks. Whether the goal is speed to market, maximizing network availability, or enhancing customer satisfaction and retention, Cisco is committed to the success of its customers.

For More Information

For more information about Cisco service and support programs and benefits, visit: http://www.cisco.com/en/US/support/index.html.

For more information about Cisco 6500 Series Switches, contact your Cisco account representative or visit: http://www.cisco.com/go/6500.

For more information about Cisco 7600 Series Routers, contact your Cisco account representative or visit: http://www.cisco.com/go/7600.

For ordering information, visit: http://www.cisco.com/public/ordering_info.shtml.

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