



APPENDIX **A**

Technical Specifications



Note

This publication describes the following Cisco 7600 series routers:

- Cisco 7603 Router—CISCO7603
- Cisco 7603-S Router—CISCO7603-S
- Cisco 7604 Router—CISCO7604
- Cisco 7606 Router—CISCO7606
- Cisco 7606-S Router—CISCO7606-S
- Cisco 7609 Router—CISCO7609
- Cisco 7609-S—CISCO7609-S
- Cisco 7613 Router—CISCO7613

Information on the Cisco 7609 Router (product number OSR-7609) is in the *Cisco 7609 Router Installation Guide*, located at this URL:

<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7600/hardware/osrouter/index.htm>

This appendix provides the technical specifications for the Cisco 7600 series routers:

- [Cisco 7603 Router, page A-2](#)
- [Cisco 7603-S Router, page A-2](#)
- [Cisco 7604 Router, page A-3](#)
- [Cisco 7606 Router, page A-4](#)
- [Cisco 7606-S Router, page A-5](#)
- [Cisco 7609 Router, page A-6](#)
- [Cisco 7609-S Router, page A-7](#)
- [Cisco 7600 Series Router Power Supplies, page A-9](#)
- [Regulatory Standards Compliance, page A-15](#)

Refer to the *Cisco 7600 Series Internet Router Module Installation Guide* for module and interface port specifications.

Cisco 7603 Router

The Cisco 7603 Router specifications are provided in [Table A-1](#).

Table A-1 Cisco 7603 Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	–40°F (–40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	7 x 17.37 x 21.75 inches (17.78 x 44.12 x 55.25 cm). Chassis requires 4 RU ²
Weight	Chassis only: 28.5 lb (12.93 kg) Chassis fully configured with 1 supervisor engine, 2 modules, 2 AC-input PEMs, and 2 AC-input power supplies: 83 lb (37.65 kg)
Power Supply	
	950 W AC- or DC-input power supply—optional second power supply can be installed in the chassis 1400 W AC-input power supply—optional second power supply can be installed in the chassis
Airflow	
	<ul style="list-style-type: none"> FAN-MOD-3 (Standard fan tray)—170 CFM FAN-MOD-3HS (Optional high-speed fan tray)—270 CFM
Acoustical Noise	
	64 to 76 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7603-S Router

The Cisco 7603 Router specifications are provided in [Table A-1](#).

Table A-2 Cisco 7603 Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	−40°F (−40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	7 x 17.37 x 20.3 inches (17.78 x 44.12 x 51.562 cm). Chassis requires 4 RU ²
Weight	Chassis only: 28.8 lb (13.07 kg) Chassis fully configured with 1 supervisor engine, 2 modules, 2 DC-input PEMs, and 2 DC-input power supplies: 83 lb (37.65 kg)
Power Supply	1500 W DC-input power supply—optional second power supply can be installed in the chassis
Airflow	<ul style="list-style-type: none"> FAN-MOD-3SHS (Optional high-speed fan tray)—270 CFM
Acoustical Noise	64 to 76 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).

2. RU = rack units

Cisco 7604 Router

The Cisco 7604 Router specifications are provided in [Table A-3](#).

Table A-3 Cisco 7604 Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	−40°F (−40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%

Table A-3 Cisco 7604 Router Specifications (continued)

Item	Specification
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	8.7 x 17.5 x 21.6 inches (22.09 x 44.45 x 54.86 cm). Chassis requires 5 RU ²
Weight	Chassis only: 29.7 lb (13.5 kg) Chassis fully configured with 2 supervisor engines, 2 modules, 2 AC-input PEMs, and 2 AC-input power supplies: 97 lb (43.99 kg); FAN-MOD-4HS, 6.1 lb (2.78 kg)
Power Supply	2700 W AC- or DC-input power supply—optional second power supply can be installed in the chassis
Airflow	FAN-MOD-4HS—300 CFM
Acoustical Noise	63.2 to 72.5 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7606 Router

The Cisco 7606 Router specifications are provided in [Table A-4](#).

Table A-4 Cisco 7606 Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	−40°F (−40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	12.20 x 17.25 x 21.50 inches (30.98 x 43.81 x 54.61 cm). Chassis requires 7 RU ²

Table A-4 Cisco 7606 Router Specifications (continued)

Item	Specification
Weight	Chassis only: 37.2 lb (16.88 kg) Chassis fully configured with 1 supervisor engine, 5 modules, 2 AC-input PEMs, and 2 AC-input power supplies: 133.2 lb (60.42 kg); FAN-MOD-6HS, 7.7 lb (3.5 kg)
Power Supply	1900 W AC- or DC-input power supply—optional second power supply can be installed in the chassis 2700 W AC-input power supply—optional second power supply can be installed in the chassis.
Airflow	540 CFM through system fan assembly
Acoustical Noise	65.3 to 73.6 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7606-S Router

The Cisco 7606 Router specifications are provided in [Table A-5](#).

Table A-5 Cisco 7606-S Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	−40°F (−40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	12.20 x 17.25 x 21.50 inches (30.98 x 43.81 x 54.61 cm). Chassis requires 7 RU ²
Weight	Chassis only: 40.8 lb (18.52 kg) Chassis fully configured with 1 supervisor engine, 5 modules, and 2 AC-input power supplies: 133.2 lb (60.42 kg); FAN-MOD-6SHS, 7.7 lb (3.5 kg)

Table A-5 Cisco 7606-S Router Specifications (continued)

Item	Specification
Power Supply	2700 W AC- or DC-input power supply—optional second power supply can be installed in the chassis
Airflow	540 CFM through system fan assembly
Acoustical Noise	65.3 to 73.6 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7609 Router

The Cisco 7609 Router specifications are provided in [Table A-6](#).

Table A-6 Cisco 7609 Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	–40°F (–40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	36.75 x 17.25 x 20.70 inches (93.34 x 43.81 x 52.57 cm). Chassis requires 21 RU ²
Weight	Chassis only: 125.6 lb (57 kg) Chassis fully configured with 1 supervisor engine, 8 modules, 2 AC-input power supplies: 270 lb (122.47 kg); FAN-MOD-09, 12.7 lb (5.8 Kg)
Power Supply	2500 W DC-input power supply, 3000 W AC-input power supply, 4000 W DC-input power supply, 4000 W AC- input power supply, 6000 W AC- input power supply, 6000 W DC-input power supply—optional second power supply can be installed in the chassis

Table A-6 Cisco 7609 Router Specifications (continued)

Item	Specification
Airflow	FAN-MOD-09 (High-speed fan tray)—760 CFM, 12.7 lb (5.8 Kg)
Acoustical Noise	67 to 77 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7609-S Router

The Cisco 7609-S router specifications are provided in [Table A-6](#).

Table A-7 Cisco 7609-S Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	–40°F (–40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	36.75 x 17.25 x 20.70 inches (93.34 x 43.81 x 52.57 cm). . Chassis requires 21 RU ²
Weight	Chassis only: 149.9 lb (68 kg) Chassis fully configured with 1 supervisor engine, 8 modules, 2 AC-input power supplies: 270 lb (122.47 kg); FAN-MOD-9SHS, 13.4 lb (6.1 kg)
Power Supply	4000 W DC-input power supply, 4000 W AC- input power supply, 6000 W AC- input power supply, 6000 W DC-input power supply—optional second power supply can be installed in the chassis
Airflow	760 CFM through system fan assembly
Acoustical Noise	67 to 77 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7613 Router

The Cisco 7613 Router specifications are provided in [Table A-8](#).

Table A-8 Cisco 7613 Router Specifications

Item	Specification
Environmental	
Temperature, ambient operating	32°F (0°C) to 104°F (40°C)
Temperature, ambient nonoperating and storage	−40°F (−40°C) to 158°F (70°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude, operating	Sea level to 10,000 feet (3048m) ¹
Physical Characteristics	
Dimensions (H x W x D)	33.15 x 17.3 x 18.1 inches (84.2 x 43.9 x 46 cm). Chassis requires 19 RU ²
Weight	Chassis only: 90 lb (40.82 kg) Chassis fully configured with 2 supervisor engines, 11 modules, and two power supplies: 240 lb (108.9 kg)
Power Supply	
	2500 W DC-input power supply, 3000 W AC-input power supply, 4000 W DC-input power supply, 4000 W AC- input power supply, 6000 W AC- input power supply, 6000 W DC-input power supply—optional second power supply can be installed in the chassis
Airflow	
	WS-C6K-13SLT-FAN2 (Optional high-speed fan tray)—1090 CFM
Acoustical Noise	
	61.4 to 77 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86°F (30°C).

1. Designed and tested for normal operation for altitudes up to 10000 ft (3048m); safety approvals apply only to an operating altitude of 6500 feet (2000 m).
2. RU = rack units

Cisco 7600 Series Router Power Supplies

Table A-9 lists the specifications for the Cisco 7600 series router power supplies.

Table A-9 Power Supply Specifications

Item	Specification
950 W AC- and DC-input Power Supplies	
AC-input type	Autoranging input with power factor corrector
AC-input voltage rating	100 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	12-5 A
AC-input frequency	50/60 Hz (nominal)
Power supply output capacity	950 W maximum (100–240 VAC)
DC-input voltage rating	-48 VDC to -60 VDC continuous
DC-input current rating	25 A
Power supply output (AC supply)	+1.5V @ 15A, +3.3V @ 2.5A, +50V @ 19.15A
Power supply output (DC supply)	+1.5V @ 15A, +3.3V @ 2.5A, +50V @ 19.15A
Output holdup time	20 ms minimum (AC-input power supply) 4 ms (DC-input power supply)
1400 W AC-input Power Supplies	
Specification	
AC-input type	Autoranging input with power factor corrector
AC-input voltage rating	100 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	<ul style="list-style-type: none"> • 16 A @ 100 VAC • 8 A @ 240 VAC
AC-input frequency	50/60 Hz (nominal) (± 3 Hz for full range)
Power supply output capacity	1400 W
Power supply output	<ul style="list-style-type: none"> • 15.0 A @ 1.5V • 2.5A @ 3.3V • 27.4 A @ 50V

Table A-9 Power Supply Specifications (continued)

Item	Specification
1500 W DC-input Power Supply	
Power supply output capacity	1500 W maximum.
System power dissipation	1770 W (total input power).
DC-input voltage rating	<ul style="list-style-type: none"> • -48VDC nominal @ 37A in North America (operating range: -40.5VDC to -56VDC) • 60VDC nominal @ 29A for International (operating range: -55VDC to -72VDC).
DC-input current	40A @ -48VDC input voltage
Power supply output rating	+1.5V @ 15A, +3.3V @ 2.5A, +50V @ 29.4A
DC-input voltage rating	

Table A-9 Power Supply Specifications (continued)

Item	Specification
1900 W AC- and DC-input Power Supply	
AC-input type	Autoranging input with power factor corrector
AC-input voltage rating	100 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	12A
AC-input frequency	50/60 Hz (nominal)
Power supply output capacity	1050 W maximum (100–120 VAC) 1900 W maximum (200–240 VAC)
DC-input voltage rating	-48 VDC to -60 VDC continuous
DC-input current rating	50A
Power supply output (AC supply)	+1.5V @ 15A, +3.3V @ 2.5A, +50V @ 20.38A (110 VAC) +1.5V @ 15A, +3.3V @ 2.5A, +50V @ 37.38A (220 VAC)
Power supply output (DC supply)	+1.5V @ 15A, +3.3V @ 2.5A, +50V @ 37.38A
Output holdup time	20 ms minimum (AC-input power supply) 8 ms (DC-input power supply)
2500 W DC-input Power Supply	
Power supply output capacity	2500 W maximum.
System power dissipation	3520 W (total input power).
DC-input voltage rating	-48 VDC to -60 VDC continuous.
DC-input current	80A
Power supply output rating	15A @ +3.3V, 5A @ +5V, 12A @ +12V, 55.5A @ +42V.
DC input terminal block	Accepts 2-14 AWG copper conductors. Actual size of the wire needed is determined by the installer or local electrician. Terminal block material rated at 150°C.
Output holdup time	4 ms
2700 W AC-input Power Supply	
AC-input type	Autoranging input with power factor corrector
AC-input voltage rating	100 to 120 VAC, 200 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	<ul style="list-style-type: none"> 16 A @ 200 VAC (2700 W output) 16 A @ 100 VAC (1350 W output)
Power supply output capacity	<ul style="list-style-type: none"> 1350 W maximum (100–120 VAC) 2700 W maximum (200–240 VAC)
AC-input frequency	50/60 Hz (nominal) ($\pm 3\%$ for full range)
Power supply output	<ul style="list-style-type: none"> +1.5V @ 15A, +3.3V @ 2.5A, +50V @ 27.49A (110 VAC) +1.5V @ 15A, +3.3V @ 2.5A, +50V @ 55.61A (220 VAC)
KVA rating	3.4 KVA (high-line operation)

Table A-9 Power Supply Specifications (continued)

Item	Specification
Output holdup time	20 ms minimum
2700 W DC-input Power Supply	Specification
Power supply output capacity	2700W with two inputs active; 1350 W with one input active.
System power dissipation	3500W (total input power).
DC-input voltage	<ul style="list-style-type: none"> -48VDC nominal @ 37A in North America (operating range: -40.5VDC to -56VDC) -60VDC nominal @ 29A for International (operating range: -55VDC to -72VDC).
DC-input current	40A per each DC input @ -48VDC input voltage (total two inputs)
Power supply output	<ul style="list-style-type: none"> +1.5V @ 15A, +3.3V @ 5.0A, +50V @ 27.49A (one DC input) +1.5V @ 15A, +3.3V @ 5.0A, +50V @ 55.61A (Two DC input)
DC input terminal block	Accepts 4 AWG copper conductors. Actual size of the wire needed is determined by the installer or local electrician.
Output holdup time	8 ms
Ground Nut	1/4 inch x 20
Washer	1/4 inch split type
Lugs required	Industry Standard 2-hole compression lug with holes on 5/8-inch centers.
Maximum torque	36 inch-lb
3000 W AC-input Power Supply	Specification
AC-input type	Autoranging input with power factor correction ¹ (PFC)
AC-input voltage rating	100 to 120 VAC, 200 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	<ul style="list-style-type: none"> 16 A @ 200 VAC (3000 W output) 16 A @ 100 VAC (1400 W output)
Power supply output capacity	<ul style="list-style-type: none"> 1400 W maximum (100–120 VAC) 3000 W maximum (200–240 VAC)
AC-input frequency	50/60 Hz (nominal) ($\pm 3\%$ for full range)
Power supply output	<ul style="list-style-type: none"> 1400 W maximum (100–120 VAC) 3000 W maximum (200–240 VAC)
KVA rating	3.6 KVA (high-line operation)
Output holdup time	20 ms minimum
4000 W AC-input Power Supply	Specification
AC-input type	High-line input with power factor corrector, 30A single-phase circuit

Table A-9 Power Supply Specifications (continued)

Item	Specification
AC-input voltage rating	200 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	23A
Power supply output capacity	4000W maximum
AC-input frequency	50/60 Hz (nominal) ($\pm 3\%$ for full range)
Power supply output	15A @ +3.3V, 5A @ +5V, 10A @ +12V, 91.20A @ +42V
KVA rating	5.4 KVA maximum
Output holdup time	20 ms minimum
4000 W DC-input Power Supply	Specification
Power supply output capacity	4000W with three inputs active; 2700 W with two inputs active.
System power dissipation	5200W (total input power)
DC-input voltage	-48VDC nominal @ 37A in North America (operating range: -40.5VDC to -56VDC), -60VDC nominal @ 29A for International (operating range: -55VDC to -72VDC)
DC-input current	40A per each DC input @ -48VDC input voltage (total three inputs)
Power supply output	+ 3.3 VDC @ 15.0A, + 5 VDC @ 5.0A, +12 VDC @ 12.0A, +42 VDC @ 90.63A (three inputs)/59.68A (two inputs)
DC input terminal block	Accepts 4 AWG copper conductors. Actual size of the wire needed is determined by the installer or local electrician.
Output holdup time	8 ms
Terminal and Ground Studs	1/4 inch x 20
Washer	1/4 inch split type
Hex Nut	1/4 inch-20 x .226 inch T, SS
Maximum Torque	36 inch-lb.
Lugs Required	Industry Standard 2-hole compression lug with holes on 5/8- inch centers
Recommended Ground Terminal	Power Supply Bay #1: left ground termination Power Supply Bay #2: Right ground termination
4500 W DC-input Power Supply	Specification
Power supply output capacity	4500W with three inputs active; 3000 W with two inputs active, 1500 w with one input active.
System power dissipation	5300W (total input power)
DC-input voltage	-48VDC nominal @ 37A in North America (operating range: -40.5VDC to -56VDC), -60VDC nominal @ 29A for International (operating range: -55VDC to -72VDC)
DC-input current	40A per each DC input @ -48VDC input voltage (total three inputs)

Table A-9 Power Supply Specifications (continued)

Item	Specification
Power supply output	+ 3.3 VDC @ 15.0A, + 5 VDC @ 5.0A, +50 VDC @ 90A (three inputs)/ 60A (two inputs)/ 30A (one input)
DC input terminal block	Accepts up to 2AWG copper conductors. Actual size of the wire needed is determined by the installer or local electrician.
Output holdup time	8 ms
Terminal and Ground Studs	1/4 inch-20
Hex Nut with integrated washer:	1/4 inch-20, SS
Maximum Torque	36 inch-lb.
Lugs Required	Industry Standard 2-hole compression lug with holes on 5/8- inch centers
6000 W DC-input Power Supply	Specification
Power supply output capacity	6000 W with four inputs active; 4506 W with three inputs active; 2800 W with two inputs active
System power dissipation	7060 W
DC-input voltage	-48VDC nominal @ 37A in North America (operating range: -40.5VDC to -56VDC), -60VDC nominal @ 29A for International (operating range: -55VDC to -72VDC)
DC-input current	40A per each DC input @ -48VDC input voltage (total four inputs)
Power supply output	<ul style="list-style-type: none"> • 2800W operation (two DC inputs) <ul style="list-style-type: none"> – 25.0 A @ 3.3 VDC – 12.0 A @ 12 VDC – 61.2A @ 42 VDC • 4500W operation (three DC inputs) <ul style="list-style-type: none"> – 25.0 A @ 3.3 VDC – 12.0 A @ 12 VDC – 101.9 A @ 42 VDC • 6000W operation (four DC inputs) <ul style="list-style-type: none"> – 25.0 A @ 3.3 VDC – 12.0 A @ 12 VDC – 137.4 A @ 42 VDC
DC input terminal block	Accepts up to 2 AWG copper conductors. Actual size of the wire needed is determined by the installer or local electrician.
Output holdup time	8 ms
Terminal and Ground Studs	1/4 inch x 20
Hex Nut with Integrated Washer	1/4 inch-20

Table A-9 Power Supply Specifications (continued)

Item	Specification
Maximum Torque	36 inch-lb.
Lugs Required	Industry Standard 2-hole compression lug with holes on 5/8- inch centers
6000 W AC-input Power Supply	Specification
AC-input type	High-line input with power factor correction (PFC) included
AC-input voltage rating	Single-phase, 100 to 120 VAC, 200 to 240 VAC ($\pm 10\%$ for full range)
AC-input current rating	16 A each input
Power supply output capacity	<ul style="list-style-type: none"> • 2900 W maximum (one input active at 220 VAC, or both inputs active and one input is 110 VAC and the other is 220 VAC) • 6000 W maximum (both inputs active at 220 VAC)
AC-input frequency	50/60 Hz (nominal) ($\pm 3\%$ for full range)
Power supply output	<ul style="list-style-type: none"> • 2900 W operation (one 220 VAC source or two 110 VAC sources) <ul style="list-style-type: none"> - 25 A @ +3.3 V - 12 A @ +12 V - 63.6 A @ +42 V • 6000 W operation (two 220 VAC sources) <ul style="list-style-type: none"> - 25 A @ +3.3 V - 12 A @ +12 V - 137.4 A @ +42 V
KVA rating	7.2 KVA (high-line operation)
Output holdup time	<ul style="list-style-type: none"> • 20 ms minimum

1. Power factor correction is a standard feature on all Cisco 7600 series AC-input power supplies. PFC reduces the reactive component in the source AC current allowing higher power factors (typically 99 percent or better) and lower harmonic current components.

Regulatory Standards Compliance

The Cisco 7600 series routers comply with the regulatory standards listed in the *Regulatory Compliance and Safety Information for the Cisco 7600 Series Routers* document.

