



Server Specifications

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This chapter lists the physical, environmental, and power specifications for the server.

Physical Specifications

The following table lists the physical specifications for the server.

Table 1: Physical Specifications

Description	Specification
Height	1.7 in. (43.2 mm)
Width	16.9 in. (429.0 mm)
Depth (length)	Server only: 30 in. (762 mm) Server with slide rail: 31.5 in (800.1 mm)
Weight	<ul style="list-style-type: none">• Maximum: 42.432 lb (19.25 kg)• Minimum: 22.32 lb (10.13 kg)

Environmental Specifications

The following table lists the environmental requirements and specifications for the server.

Table 2: Environmental Specifications

Description	Specification
Temperature, Operating	Dry bulb temperature of 10°C to 35°C (50°F to 95°F) Derate the maximum temperature by 1°C (33.8°F) every 305 meters of altitude above 900 m
Temperature, Extended Operating	5°C to 40°C (41°F to 104°F) with no direct sunlight Derate the maximum temperature by 1°C (33.8°F) every 305 meters of altitude above 900 m
Temperature, non-operating (when the server is stored or transported)	Dry bulb temperature of 40 °C to 65 °C (-40°F to 149 °F)
Humidity (RH), operating	10% to 90% and 28°C (82.4°F) maximum dew-point temperature, noncondensing environment Minimum to be higher (more moisture) of -12 °C (10.4 °F) dew point or 8% relative humidity Maximum to be 24 °C (75.2 °F) dew point or 90% relative humidity
Humidity (RH), non-operating	5% to 93% relative humidity, noncondensing, with a maximum wet bulb temperature of 28 °C across the 20 °C to 40 °C dry bulb range.
Altitude, operating	A maximum elevation of 3050 meters (10,006 feet)
Altitude, non-operating	An elevation of 0 to 12,000 meters (39,370 feet)
Maximum Operating Duration	Unlimited
Sound power level Measure A-weighted per ISO7779 LwAd (Bels) Operation at 73°F (23°C)	5.5
Sound pressure level Measure A-weighted per ISO7779 LpAm (dBA) Operation at 73°F (23°C)	40

Power Specifications



Note Do not mix power supply types or wattages in the server. Both power supplies must be identical.

The power specifications for the supported power supply options are listed in the following sections.

1050-W V2 DC Power Supply

This table lists the specifications for 1050-W V2 DC power supply.

Parameter	Specification
Input Connector	Molex 42820
Input Voltage Range (V rms)	-48
Maximum Allowable Input Voltage Range (V rms)	-40 to -72
Frequency Range (Hz)	NA
Maximum Allowable Frequency Range (Hz)	NA
Maximum Rated Output (W)	1050
Maximum Rated Standby Output (W)	36
Nominal Input Voltage (V rms)	-48
Nominal Input Current (A rms)	24
Maximum Input at Nominal Input Voltage (W)	1154
Maximum Input at Nominal Input Voltage (VA)	1154
Maximum Rated Efficiency (%) Minimum rating required to achieve 80PLUS platinum certification.	91
Maximum Rated Power Factor Minimum rating required to achieve 80PLUS platinum certification.	NA
Maximum Inrush Current (peak A)	15
Maximum Inrush Current (ms)	0.2
Maximum Ride-Through Time This is the duration for which output voltage remains within regulation limits at 100% load, during input voltage dropout.	5

1050-W AC Power Supply

This table lists the specifications for each 1050-W AC power supply.

Parameter	Specification
Input Connector	IEC320 C14

Parameter	Specification
Input Voltage Range (V rms)	100 to 240
Maximum Allowable Input Voltage Range (V rms)	90 to 264
Frequency Range (Hz)	50 to 60
Maximum Allowable Frequency Range (Hz)	47 to 63
Maximum Rated Output (W) Limited to 800 W when operating at low-line input voltage, 100-127 V	1050
Maximum Rated Standby Output (W)	36
Nominal Input Voltage (V rms)	230
Nominal Input Current (A rms)	5.2
Maximum Input at Nominal Input Voltage (W)	1154
Maximum Input at Nominal Input Voltage (VA)	1190
Maximum Rated Efficiency (%) Minimum rating required to achieve 80PLUS platinum certification.	90
Maximum Rated Power Factor Minimum rating required to achieve 80PLUS platinum certification.	0.97
Maximum Inrush Current (peak A)	15
Maximum Inrush Current (ms)	0.2
Maximum Ride-Through Time Time output voltage remains within regulation limits at 100% load, during input voltage dropout	12

Power Cord Specifications

Each power supply in the server has a power cord. Standard power cords or jumper power cords are available for connection to the appliance. The shorter jumper power cords that are used in racks are available as an optional alternative to the standard power cords.



Note Only the approved power cords or jumper power cords listed below are supported.

Table 3: Supported Power Cords

Description	Length (Feet)	Length (Meters)
CAB-48DC-40A-8AWG DC power cord, -48 VDC, 40 A, 8 AWG Three-socket mini-fit connector to three-wire	11.7	3.5
CAB-C13-C14-AC AC power cord, 10 A; C13 to C14, recessed receptacle	9.8	3.0
CAB-250V-10A-AR AC power cord, 250 V, 10 A Argentina	8.2	2.5
CAB-C13-C14-2M-JP AC Power Cord, C13 to C14 Japan PSE Mark	6.6	2.0
CAB-9K10A-EU AC Power Cord, 250 V, 10 A, CEE 7/7 Plug Europe	8.2	2.5
CAB-250V-10A-IS AC Power Cord, SFS, 250 V, 10 A Israel	8.2	2.5
CAB-250V-10A-CN AC power cord, 250 V, 10 A PR China	8.2	2.5
CAB-ACTW AC power cord, 250 V, 10 A, C13 EL302 Taiwan	7.5	2.3
CAB-C13-CBN AC cabinet jumper power cord, 250 V, 10 A, C13 to C14	2.2	0.68
CAB-C13-C14-2M AC cabinet jumper power cord, 250 V, 10 A, C13 to C14	6.6	2.0

CAB-9K10A-AU AC power cord, 250 V, 10 A, 3112 plug, Australia	8.2	2.5
CAB-N5K6A-NA AC power cord, 200/240 V, 6 A, North America	8.2	2.5
CAB-250V-10A-ID AC power Cord, 250 V, 10 A, India	8.2	2.5
CAB-9K10A-SW AC power cord, 250 V, 10 A, MP232 plug Switzerland	8.2	2.5
CAB-250V-10A-BR AC power Cord, 250 V, 10 A Brazil	8.2	2.5
CAB-9K10A-UK AC power cord, 250 V, 10 A (13 A fuse), BS1363 plug United Kingdom	8.2	2.5
CAB-9K12A-NA AC power cord, 125 V, 13 A, NEMA 5-15 plug North America	8.2	2.5
CAB-AC-L620-C13 AC power cord, NEMA L6-20 to C13 connectors	6.6	2.0
CAB-9K10A-IT AC power cord, 250 V, 10 A, CEI 23-16/VII plug Italy	8.2	2.5
CAB-C13-C14-3M-IN AC power cord jumper, C13 to C14 connector India	9.8	3.0
CAB-C13-C14-IN AC power cord jumper, C13 to C14 connector India	4.6	1.4

CAB-9K10A-KOR Power Cord, 125 V AC, 13 A, KSC8305 plug Korea	6	1.8
CAB-JPN-3PIN 90-125 V AC, 12 A, NEMA 5-15 plug Japan	—	2.4
R2XX-DMYMPWRCORD No power cord; PID option for ordering server with no power cord	NA	NA

