



Node Specifications

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Physical Specifications

The following table lists the physical specifications for the node.

Table 1: Physical Specifications

Description	Specification
Height	3.4 in. (86.4 mm)
Width	16.9 in. (429.0 mm)
Depth (length)	Server only: 30 in. (740.3 mm) Server with slide rail: 31.5 in (787.4 mm)
Server weight	<ul style="list-style-type: none">• Maximum, fully configured with rail kit: 61.7 lb. (28 kg)• Minimum, empty chassis, no rail kit: 35.7 lb. (16.2 kg)

Environmental Specifications

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

Table 2: Physical Specifications

Description	Specification
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Temperature, Operating	50 to 95°F (10 to 35°C) Extended environment 41 to 104°F (5 to 40°C) Derate the maximum temperature by 1°C per every 300 meters of altitude above sea level. Note Although the ASHRAE guidelines define multiple classes with different operating ranges, the <i>recommended</i> temperature and humidity operating range is the same for each class. The <i>recommended</i> temperature and humidity ranges are: <ul style="list-style-type: none">• Operating Temperature: 64.4°F to 80.6°F (18°C to 27°C) For general information, see the Cisco Unified Computing System Site Planning Guide: Data Center Power and Cooling .
Temperature, non-operating (when the server is stored or transported)	-40 to 149°F (-40 to 65°C)
Humidity (RH), operating	8 to 90%
Humidity (RH), non-operating (when the server is stored or transported)	5 to 95%
Altitude, operating	0 to 10,000 feet
Altitude, non-operating (when the server is stored or transported)	0 to 39370 feet
Sound power level Measure A-weighted per ISO7779 LwAd (Bels) Operation at 73°F (23°C)	5.8
Sound pressure level Measure A-weighted per ISO7779 LpAm (dBA) Operation at 73°F (23°C)	43

Power Specifications



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

You can get more specific power information for your exact node configuration by using the Cisco UCS Power Calculator:

<http://ucspowercalc.cisco.com>

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

770 W AC Power Supply

This section lists the specifications for each 770 W AC power supply (Cisco part number HX-PSU1-770W).

Table 3: 770 W AC Specifications

Description	Specification
AC Input Voltage	Nominal range: 100–120 VAC, 200–240 VAC (Range: 90–132 VAC, 180–264 VAC)
AC Input Frequency	Nominal range: 50 to 60Hz (Range: 47–63 Hz)
Maximum AC Input current	9.5 A at 100 VAC 4.5 A at 208 VAC
Maximum input volt-amperes	950 VA at 100 VAC
Maximum inrush current	15 A (sub-cycle duration)
Maximum hold-up time	12 ms at 770 W
Maximum output power per PSU	770 W
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP2
Input connector	IEC320 C14

1050 W AC Power Supply

This section lists the specifications for each 1050 W AC power supply (Cisco part number HX-PSU1-1050W).

Table 4: 1050 W AC Specifications

Description	Specification
AC Input Voltage	Nominal range: 100–120 VAC, 200–240 VAC (Range: 90–132 VAC, 180–264 VAC)
AC Input Frequency	Nominal range: 50 to 60Hz (Range: 47–63 Hz)

Maximum AC Input current	12.5 A at 100 VAC 6.0 A at 208 VAC
Maximum input volt-amperes	1250 VA at 100 VAC
Maximum inrush current	15 A (sub-cycle duration)
Maximum hold-up time	12 ms at 1050 W
Maximum output power per PSU	800 W at 100–120 VAC 1050 W at 200–240 VAC
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP2
Input connector	IEC320 C14

1600 W AC Power Supply

This section lists the specifications for each 1600 W AC power supply (Cisco part number HX-PSU1-1600W).

Table 5: 1600 W AC Specifications

Description	Specification
AC Input Voltage	Nominal range: 200–240 VAC (Range: 180–264 VAC)
AC Input Frequency	Nominal range: 50 to 60Hz (Range: 47–63 Hz)
Maximum AC Input current	9.5 A at 200 VAC
Maximum input volt-amperes	1250 VA at 200 VAC
Maximum inrush current	30 A at 35° C
Maximum hold-up time	80 ms at 1600 W
Maximum output power per PSU	1600 W at 200–240 VAC
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)

Form factor	RSP2
Input connector	IEC320 C14

2300 W AC Power Supply

This section lists the specifications for each 2300 W AC power supply (Cisco part number HX-PSU1-2300).

Table 6: 2300 W AC Specifications

Description	Specification
AC Input Voltage	Nominal range: 100–230 VAC (Range: 90–264 VAC)
AC Input Frequency	Nominal range: 50 to 60Hz (Range: 47–63 Hz)
Maximum AC Input current	13 A at 100 VAC
Maximum input volt-amperes	2515 VA at 208 VAC
Maximum inrush current	30 A at 35° C
Maximum hold-up time	80 ms at 1600 W
Maximum output power per PSU	2300W at 220-240V input and 1200W at 110-120V
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP2
Input connector	IEC320 C20

1050 W DC Power Supply

This section lists the specifications for each 1050 W DC power supply (Cisco part number HX-PSUV2-1050DC).

Table 7: 1050 W DC Specifications

Description	Specification
DC Input Voltage	Nominal range: -48 to -60 VDC (Range: -40 to -72 VDC)

Maximum DC input current	N32 A at -40 VDC
Maximum input wattage	1234 W
Maximum inrush current	35 A (sub-cycle duration)
Maximum hold-up time	5 ms at 100% load (1050 W main and 36 W standby)
Maximum output power per PSU	1050 W on 12 VDC main power 36 W on 12 VDC standby power
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	≥ 92% at 50% load
Form factor	RSP2
Input connector	Fixed 3-wire block

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 server. The shorter jumper power cords, for use in racks, are available as an optional alternative to the standard power cords.

For complete list of supported power cords, see *SELECT INPUT POWER CORD(s)* in [Cisco UCS C245 M6 SFF Rack Server](#)



Note Only the approved power cords or jumper power cords listed in the server spec sheet are supported.
