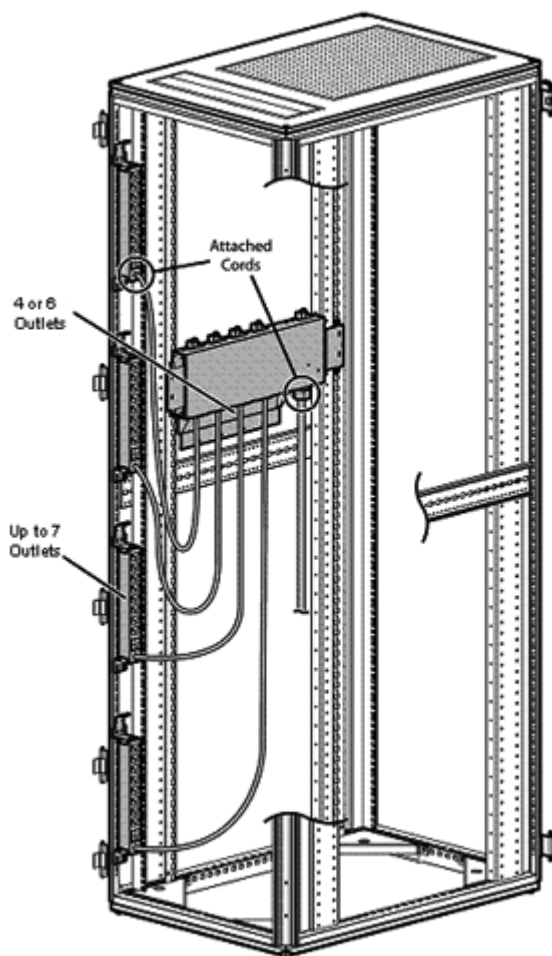


Overview

HP Modular PDUs have a unique modular architecture designed specifically for data center customers who want to maximize power distribution and space efficiencies in the rack. Modular PDUs consist of two building blocks - the Control Unit (core) and the optional Extension Bar(s) (sticks). The Control Unit is 1U/0U, and the optional Extension Bars mount directly to the frame of the rack in multiple locations. Available models range from 24A to 48A current ratings, with output connections ranging from four to six C-IEC C20 outlets.



Models

North America, Japan, and South America (Except Argentina and Chile)

200 - 240v 1Ø	HP 8.3kVA 40A High Voltage NA/JP Core Modular Power Distribution Unit	252663-D75
	HP 4.9kVA 24A High Voltage NA/JP Core Modular Power Distribution Unit	252663-D74
200 - 240v 3Ø	HP 8.6kVA 24A Three Phase NA/JP Modular Power Distribution Unit	AF512A
	HP 14.4kVA 40A Three Phase NA/JP Modular Power Distribution Unit	AF519A
	HP 17.3kVA 48A Three Phase NA/JP Modular Power Distribution Unit	AF511A

International (Including Argentina and Chile)

200 - 240v 1Ø	HP 9.2kVA 40A High Voltage INTL Core Modular Power Distribution Unit	252663-B34
	HP 7.3kVA 32A High Voltage INTL Core Modular Power Distribution Unit	252663-B33
380 - 415v 3Ø	HP 11kVA 16A Three Phase INTL Modular Power Distribution Unit	AF513A
	HP 22kVA 32A Three Phase INTL Core Modular Power Distribution Unit	AF518A

* These Modular Distribution Units are %core only%and do not include any PDU extension bars.



Standard Features

Features List	<ul style="list-style-type: none">• Single input power distribution units with a unique modular design architecture• Zero-U/1U dense rack form factor• Easily accessible outlet receptacles and improved cable management• Models range from 4.9kVA to 22kVA
Key Features	<div><div>4.9 kVA to 9.2kVA 1Ø models<ul style="list-style-type: none">• Unique modular design architecture• Small form factor with flexible mounting options• 4 C19 outlet receptacles• Easy installation</div><div>8.6 kVA to 22 kVA 3Ø models<ul style="list-style-type: none">• Unique modular design architecture• Small form factor with flexible mounting options• 6 C19 outlet receptacles• Easy installation</div><div>Easy installation in 1U or Zero U configurations</div></div>
Unique Modular Design Architecture	<p>Modular PDUs have unique modular design architecture. This “building block” concept consists of two main parts, the Control Unit, and the optional extension bar(s). . The Control Unit is zero-U or 1U rack mountable. Optional extension bars mount directly to the rack-frame.</p> <div><div>1Ø Modular PDUs<ul style="list-style-type: none">• Each Control Unit is a single-phase unit that branches out to 4 single-phase branch circuits.• The Optional PDU extension bars can be plugged into the Control Unit, and can be mounted directly to the rack frame, spanning the entire length of the rack.</div><div>3Ø Modular PDUs<ul style="list-style-type: none">• Each Control Unit is a three-phase input that branches out to 6 single-phase branch circuits.• Optional extension bars can be added to provide C13 outlets.</div></div>
Easy Installation	Installation is quick and easy. Whether you choose to mount the Modular PDU in zero-U or 1U, all required mounting brackets, accessories, and installation instructions are shipped with the product.
Compatibility	Ideal for use with the HP10000 G2, 11000 G2, and Intelligent Series Racks, the Modular PDUs are largely designed for the dense rack environment. These Modular PDUs connect directly to the facility input power.
Warranty Upgrade Options	HP Modular PDUs are backed by a limited 3-year warranty. When used in the HP 10000 G2, 11000 G2, and Intelligent Series Racks, HP PDUs assume the warranty of the HP Rack in which they're installed. HP Care Pack services bought for the HP Rack also extend towards the HP Modular PDU if it is being used inside the HP rack.



Service and Support

HP Care Pack Services

Care Pack services provide a range of life cycle support options that let you choose the service levels that meet your business requirements, from basic to mission-critical.

A full range of HP Care Pack hardware and software services are available including:

- Installation and start up
- Education courses
- Extended onsite hardware coverage hours from same business day 13 hours, 5 day to 24 hours, 7 days call window with options including 4-hour response or 6-hour Call To Repair
- Comprehensive range of software technical support for Microsoft, Linux, ProLiant Essentials and VMWare-based IT solutions helping to deliver high level of application availability. Response times range from 30 mins for critical problems to 2 hours.
- System Management, Performance Services and Mission Critical Support Solution

NOTE: For more information on HP Care Pack services, contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at <http://www.hp.com/hps/carepack>

NOTE: For more complete information on HP Services offerings, customers and resellers, please visit us at <http://www.hp.com/hps>

NOTE: Additional information regarding worldwide limited warranty and technical support is available at <http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html>

Related Options

Related Options

HP Two C-13 PDU Extension Bars	HP Two C13 PDU Extension Bar	AF500A
	NOTE= Each extension bar has a C-19 input and 7 C-13 receptacles. The option is ideal for core only models of the modular PDUs	
HP Two Fixed Cord Extension Bars	HP Fixed Cord Extension Bars	351655-B21
	NOTE= Each extension bar has a C-19 input and 7 C-13 receptacles on 13 inch cords attached to the extension bars. The option is ideal for powering 1U servers and components.	
HP Care Pack Services	HP Install Rack and Rack Options Service	U2871A
	HP Install Rack and Rack Options Service	U2871E

Modular PDU Family Information

Model Selection Matrix

Core Only Modular PDUs

	4.9 kVA PDU	7.3 kVA PDU	8.3 kVA PDU	9.2 kVA PDU	8.6 kVA PDU	11 kVA PDU	14.4 kVA	17.3kVA PDU	22 kVA PDU
Part Number	252663-D74	252663-B33	252663-D75	252663-B34	AF512A	AF513A	AF519A	AF511A	AF518A
Input Connection (Single Input)	Input~3.6m attached cable with L6-30P	Input~3.6m attached cable with IEC309-32A, Splashproof (IEC 332P6S)	Input~3.6m Attached Input cord, Non-NEMA Locking CS8265C, 50A	Input~3.6m Attached Input cord, IEC 60309 63A, Splashproof (IEC 363P6S)	Input~3.6m Attached input cord, NEMA L15-30P	Input~3.6m Attached Input cord, IEC 60309 4 pole, 5 wire, 380-415VAC, 16A, Splashproof (IEC 516P6S)	Input~3.6m Attached input cord, CS8365C plug	Input 3.6m Attached Input cord IEC 60309 3 pole, 4 wire, 200-240VAC, 60A Waterproof (IEC 460P9W)	Input~3.6m Attached Input cord, IEC 60309 4 pole, 5 wire, 380-415VAC, 32A, Waterproof (IEC 532P6W)
Facility power connection	NEMA L6-30R	IEC60309 2 pole, 3 wire, 200-240VAC, 32A IEC 332C6S, 332R6S, or equivalent	Non-NEMA CS8264C or CS8269, 50A or equivalent	IEC60309 2 pole, 3 wire, 200-240VAC, 63A IEC 363C6S, 363R6S, or equivalent	208V 3 phase 3 pole 4 wire (Delta) NEMA L15-30R	IEC60309 4 pole, 5 wire, 380-415 VAC, 16A IEC 516C6S, 516R6S, or equivalent	208V 3 phase 3 pole 4 wire (Delta) CS8364C, CS8369, or equivalent	IEC60309 3 pole, 4 wire, 208VAC 60A IEC 460C9W, 460R9W, or equivalent	4 pole, 5 wire, 380-415 VAC, 32A IEC 532C6W, 532R6W, or equivalent
Output Connections on Modular PDU core	4 IEC 320 C-19	4 IEC 320 C-19	4 IEC 320 C-19	4 IEC 320 C-19	6 IEC 320 C-19	6 IEC 320 C-19	6 IEC 320 C-19	6 IEC 320 C-19	6 IEC 320 C-19
Current (max)	24A	32A	40A	40A	41.52A	16A	69A	83.04A	32A phase
AC Voltage Range	200-240V	200-240V	200-240V	200-240V	208v 3Ø Delta	380-415v 3Ø Wye	208v 3Ø Delta	208v 3Ø Delta	380-415v 3Ø Wye
Frequency (Hertz)	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Load Capacity (VA)	4992 (@208V)	7360 (@230V)	8320 (@208V)	9200 (@230V)	8600 (@208V)	11000 (@230v)	14393 (@208V)	17300 (@208V)	22000 (@230V)
Output Circuit Breakers	4x15A	4x16A	4x15A	4x15A	6 X 20A	6 X 16A	6 X 20A	6 X 20A	6 X 16A
Overload Protection	Yes, per load group	Yes, per load group	Yes, per load group	Yes, per load group	Yes, per load group	Yes, per load group	Yes, per load group	Yes, per load group	Yes, per load group

Modular PDU Family Information

HP Power Cables	Cable	Description	Part Number
IEC C-13	4.5 ft (1.37 m), x15	HP C13 - C14 WW 250V 10Amp 1.4m 15 pc Jumper Cord	142257-007
	4.5 ft (1.37 m), x1	HP C13 - C14 WW 250V 10Amp 1.4m Jumper Cord	142257-006
	1.6 ft (0.5m) x1	HP C13 - C14 WW 250V 10Amp 0.7m Jumper Cord	142257-B28
	8 ft (2.5m) x1	HP C13 - C14 WW 250V 10Amp 2.5m Jumper Cord	142257-002
	6 ft (1.83m) x1	HP C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord	AF556A
IEC C-19	8 ft (2.5m) x 1	HP C19 - C20 WW 250V 16Amp 2.5m Jumper Cord	295633-B22
	12 ft (3.66m) x1	HP C19 - Nema L6-20P NA/JP 250V 20Amp High Voltage 3.6m Power Cord	AF593A

Please refer to the Power Cord Matrix for more information on power cords/cable part numbers, input/output descriptions.
<http://www.hp.com/go/powercordmatrix>.

Disclaimer—HP makes no recommendations regarding power connector manufactures. The model numbers listed in the above tables are strictly for the purpose of providing examples. Please consult a licensed professional to determine the best connector or receptacle for your specific needs.

Technical Specifications

All PDUs		
Shipping Weight		20.2 lb (9.16 kg)
Operating Temperature		50° to 122° F (10° to 50° C)
Operating Relative Humidity (%)		10% to 90%
Operating Elevation		0 to 10,000 ft (0 to 3048 m)
Storage Temperature		-4° to 140° F (-20° to 60° C)
Storage Relative Humidity (%)		5% to 95%
Storage Elevation		0 to 30,000 ft (0 to 9144 m)
Input Plug Length		142 inches (360.7 cm)
Conformance Standards		UL, CUL, CE, NOM, D - 40A models UL, CUL, NOM - 24A models CE, D - 32A model
1Ø 4.9kVA to 9.2kVA		
Mechanical Dimensions (WxHxD)		17.46 x 1.66 x 6.00 in (44.34 x 4.21 x 15.24 cm)
Unit Weight		18 lb (8.16 kg)
Shipping Dimensions (WxHxD)		21.5 x 12.25 x 13.0 in (54.61 x 31.12 x 33.02 cm)
3Ø 8.6 kVA to 22 kVA		
Mechanical Dimensions (WxHxD)		17.5 x 1.62 x 7.5 in (44.45 x 4.11 x 19.22 cm)
Unit Weight		20 lb (9.07 kg)
Shipping Dimensions (WxHxD)		21.5 x 12.25 x 15.0 in (54.61 x 31.12 x 38.1 cm)
Shipping Weight		22.2 lb (10.07 kg)
Kit Contents		
All Modular PDUs		All models ship with=
		0U/1U Mounting brackets/hardware for Control Unit
		Cord Retention bracket for the Control Unit
		Tie wraps
		Install Card

Environment-friendly Products and Approach	End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to= http://www.hp.com/go/green . To recycle your product, please go to= http://www.hp.com/go/green or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
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The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at=<http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Summary of Changes

September 29, 2014 - From Version 25 to 26

Changed

Change made in the **Technical Specifications** section.

July 30, 2013 - From Version 24 to 25

Removed

EOL models were removed.

February 17, 2012 - From Version 23 to 24

Changed

Model Selection Matrix charts were revised.

September 14, 2011 - From Version 22 to 23

Changed

A Model description was revised.

August 30, 2011 - From Version 21 to 22

Changed

- Model descriptions and HP Two C-13 PDU Extension Bars in Related Options were revised
- Model Selection Matrix charts were updated

June 20, 2011 - From Version 20 to 21

Changed

Changes made throughout the QuickSpec.

March 4, 2011 - From Version 19 to 20

Changed

Model Selection Matrix charts were revised.

September 11, 2009 - From Version 18 to 19

Changed

Changed a Note in the **Modular PDU Family Information** section.

February 5, 2009 - From Version 17 to 18

Changed

Changes affected the North America and Canada versions only. Just the date and version were changed in the Worldwide version.

November 17, 2008 - From Version 16 to 17

Changed

Changes made throughout the QuickSpec.

November 14, 2008 - From Version 15 to 16

Removed

A note was removed from the **Facility power connection** row in the **Model Selection Matrix**.

July 14, 2008 - From Version 14 to 15

Summary of Changes

[Changed](#)

Changes made within the QuickSpec include:

- Models range in the Overview section to 16A - 48A current ratings
- Part Number for IEC C-19 12ft Power Cable to AF593A in the Modular PDUs section
- 1 with 4 IEC 320 C-19 was removed from Extension Bars in the HP Modular PDUs with Extension Bars Model section
- Description for the Input Connection of the Core Only Modular PDUs was changed to Waterproof instead of Splashproof
- AF511A and AF518A SKUs were added to the Technical Specifications section

May 12, 2008 - From Version 13 to 14

[Changed](#)

Changes made throughout the QuickSpec except for the Service and Support section.

September 5, 2007 - From Version 12 to 13

[Added](#)

Added the Environment-friendly Products and Approach object to the Technical Specifications section.

May 25, 2007 - From Version 11 to 12

[Changed](#)

Changes made throughout the QuickSpec.

May 14, 2007 - From Version 10 to 11

[Changed](#)

The QuickSpec was rewritten.

December 15, 2006 - From Version 9 to 10

[Changed](#)

Changes made within the Product Highlights and Technical Specifications section only.

November 27, 2006 - From Version 8 to 9

[Changed](#)

Changes made throughout the Overview and Product Highlights sections

April 29, 2005 - From Version 7 to 8

[Added](#)

Added Model No.'s 252663-D75, 252663-B34, 252663-B33, and 252663-D74.

April 1, 2005 - From Version 6 to 7

[Changed](#)

Revised Technical Specs and Model Selection Matrix.

[Added](#)

Added Care Pack Hardware Installation P/N's.

January 28, 2005 - From Version 5 to 6

[Changed](#)

Changed 16A to 24A in the Model Selection Matrix Object in the Modular PDU Family section.

November 1, 2004 - From Version 4 to 5



Summary of Changes

Changed

The document was completely revised.

September 2, 2003 - From Version 3 to 4

Changed

Document was reformatted.

December 11, 2002 - From Version 2 to 3

Changed

Corrections were made throughout the various Specification Tables.

November 19, 2002 - From Version 1 to 2

Changed

This QuickSpec was completely revised for this announcement.

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