RETIRED: This document has been officially retired, and the base products listed herein are now considered obsolete and are no longer available for sale. Consequently, the information contained within may no longer be current. This document is provided exclusively for reference and informational purposes.

Overview

HPE Line Interactive Single Phase Uninterruptible Power Systems (UPS)

Looking for cost-effective power protection for your small office environments?

HPE Line Interactive Single Phase Uninterruptible Power System (UPS) solutions range from tower-based systems designed to safeguard tower servers and small office equipment, to rack-based systems that can protect a full rack of servers. Standard features include intuitive front panel displays for local management, and HPE Enhance Battery Management (EBM) that help to extend the service-life of your batteries. HPE Power Protector, a power management software application that ships with each model, combined with a UPS Network Module, optional on some models, enables you to remotely monitor and manage your UPS through HPE Systems Insight Manager or via a standard web browser.

When you need it, use outstanding HPE support services for your whole data center environment. With HPE Pointnext operational services, have the security of knowing that your HPE UPS will be covered at the same service level and coverage period as your HPE server. HPE UPSs are backed by a 3-year limited warranty, with the first year including parts and labor. Also, standard on all HPE UPS units is our exclusive 30-day Battery Pre-Failure Warranty, which ensures that when customers receive notification from HPE Power Manager Software that the battery may fail, the battery is replaced free of charge under the warranty. This warranty is offered worldwide.

Rack UPS Models

R5000 UPS Models

HPE R5000 3U L630 High Voltage NA/JP Uninterruptible Power System	AF460A
HPE R5000 3U IEC309-32A High Voltage INTL Uninterruptible Power System	AF461A

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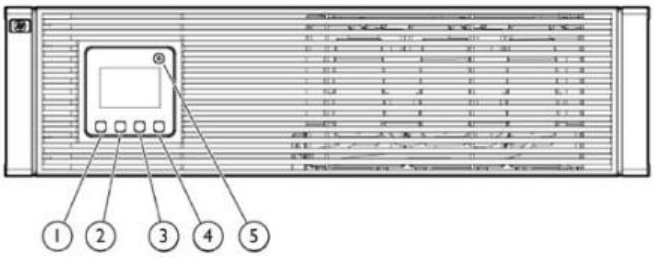
HPE Rack/Tower UPS specifications

Models

R7000 UPS Models

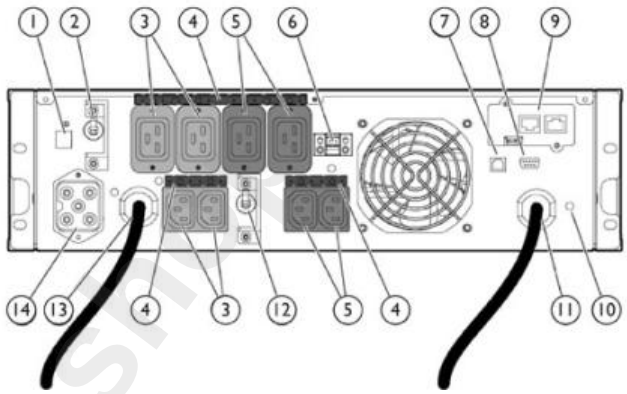
HPE R7000 4U 50A High Voltage NA/JP Uninterruptible Power System	AF462A
HPE R7000 4U IEC-32A High Voltage INTL Uninterruptible Power System	AF463A

R5000 UPS



Front View

1. Escape Button
2. Scroll up button
3. Scroll down button
4. Enter/Select button
5. Power button



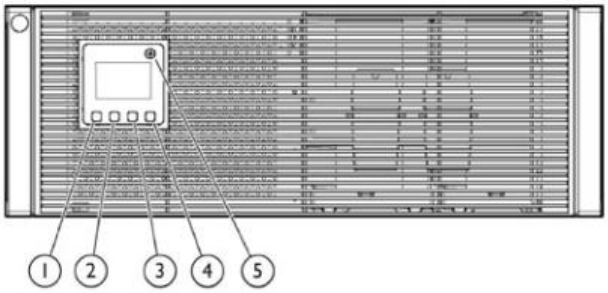
Rear View

1. ERM connector for the small plug on the split ERM cable
2. Load segment 1 circuit breaker (controls the C19 and C13 receptacles, but does not control the large output receptacle)
3. Load segment 1 (two IEC-320-C19 receptacles, two IEC-320- C13 receptacles)
4. Cord retention clip attachment locations
5. Load segment 2 (two IEC-320-C19 receptacles and two IEC-320-C13 receptacles)
6. REPO port
7. USB communications port
8. Serial communications port
9. HPE UPS Network Module (included)
10. Ground bonding screw
11. Input power line cord with NEMA L6-30 plug
12. Load segment 2 circuit breaker
13. Large output NEMA L6-30R receptacle or IEC-309-32A receptacle associated with load segment 1
14. ERM Connector for large plug

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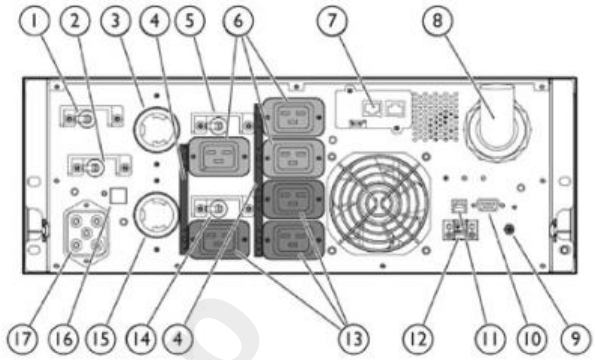
HPE Rack/Tower UPS specifications

R7000 UPS



Front View

1. Escape Button
2. Scroll up button
3. Scroll down button
4. Enter/Select button
5. Power button



Rear View

1. Load segment 1 circuit breaker (controls L6-30R receptacle Item 3)
2. Load segment 2 circuit breaker (controls L6-30R receptacle Item 15)
3. Large output NEMA L6-30R receptacle or IEC-60309 32A receptacle on short cords associated with load segment 1
4. Cord retention clip attachment locations
5. Load segment 1 circuit breaker (controls the C19 receptacles, but does not control the large output receptacle)
6. 3 x IEC C19 receptacles on load segment 1
7. HPE UPS Network Module
8. Input power line cord with NEMA CS8265C plug or IEC-309- 32A plug
9. Ground bonding screw
10. Serial communications port
11. USB communications port
12. REPO port
13. 3 x IEC C19 receptacles on load segment 2
14. Load segment 2 circuit breaker (controls the C19 receptacles, but does not control the large output receptacle)

Ultra-Dense Rack UPS Models Scale from Small to Enterprise IT Environments

Key Features

- Front panel LCD display
- Enhanced system flexibility with two independently controlled load segments

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Related Options

UPS Network Module	The HPE UPS Network Module enables you to monitor and manage power environments through comprehensive control of HPE UPSs. The HPE UPS Management Module can support either a single UPS configuration or provide additional power protection with support for dual redundant UPS configuration for no-single-point-of-failure. The additional serial ports will provide greater power management control and flexible monitoring. The management module can be configured to send alert traps to HPE Systems Insight Manager and other SNMP management programs or used as a standalone management system. This flexibility enables you to monitor and manage UPSs through the network. To facilitate day-to-day maintenance tasks, the embedded management software provides detailed system logs. The HPE UPS Network Module provides remote management of a UPS by connecting the UPS directly to the network. Configuration & Management of the UPS from anywhere and at anytime via a standard web browser.	
Extended Runtime Module (ERM)	Extended Runtime Modules increase the available runtime for the larger rack mounted UPS units to allow customers to ensure all of their applications can be gracefully shutdown in the event of a power failure.	
2U R/T UPS ERM Shipping Kit	HPE 2U Rack/Tower UPS Shipping Kit **NOTE:** The optional 2U shipping kit consists of heavy duty rails, front and back CTO brackets and required mounting hardware for attaching the UPS or ERM to the rack. This kit is an option that is required if the UPS and or ERM are going to be mounted into a rack that will be shipped via transport. One of these kits is required per unit, whether UPS or ERM.	L4Q11A
Extended Runtime Modules (ERM)	HPE R5KVA and R7KVA 3U Extended Runtime Module **NOTE:** #0D1 will appear after the part number on the sales order if HPE factory integration is indicated.	AF464A

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Warranty and Care Pack

Warranty

When you need it, use outstanding HPE support services for your whole data center environment. With HPE Pointnext operational services, have the security of knowing that your HPE UPS will be covered at the same service level and coverage period as your HPE server. HPE UPSs are backed by a 3-year limited warranty, with the first year including parts and labor. Also, standard on all HPE UPS units is our exclusive 30-day Battery Pre-Failure Warranty, which ensures that when customers receive notification from HPE Power Manager Software that the battery may fail, the battery is replaced free of charge under the warranty. This warranty is offered worldwide.
NOTE: $250,000 Computer/Load Protection Guarantee is also provided (applicable in North America only).

The HPE UPS is covered by a three year warranty, with the first year including parts and labor. Also, standard on all HPE UPS units, is our exclusive Battery Pre-Failure Warning, which extends the advantage of a HPE three-year, limited warranty by applying it to the battery before it actually fails. This warranty is offered worldwide. Specifically, the Battery Pre-Failure Warning ensures that when customers receive notification from HPE Power Management Software that the battery may fail, the battery is replaced free of charge under the warranty.
NOTE: $250,000 Computer/Load Protection Guarantee is also provided in North America, in addition to the HPE three year, limited warranty.

Warranty Upgrade Options:

- Response - Upgrade on-site response from next business day to same day 4-hours
- Coverage - Extend hours of coverage from 5 days x 9 hours to 7 days x 24 hours
- Duration - Select duration of coverage for a minimum period of 1 year or multiple years

Service and Support

HPE Technology Services
HPE Technology Services offers you consultants and support experts to solve your most complex infrastructure problems. We help keep your business running, boost availability and avoid downtime.

Protect your business beyond warranty with HPE Pointnext operational services
When you buy HPE Options, it's also a good time to think about what level of service you may need. HPE Pointnext operational services provide total care and support expertise with committed response choices designed to meet your IT and business need.

Insight Remote Support

Delivers secure remote monitoring and support for Hewlett Packard Enterprise servers and storage, 24x7 at no additional cost. Available as part of HPE Warranty, Care Pack and Service Contract offers.

Parts and materials

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Coverage

For ProLiant servers and storage systems, this service covers HPE-branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as external monitors up to 22" and tower UPS products; these items will be covered at the same service level and for the same coverage period as the server unless the maximum supported lifetime and/or the maximum usage limitation has been exceeded. Coverage of the UPS battery is not included; standard warranty terms and conditions apply.

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Warranty and Care Pack

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction. It does not apply to any exchange of Disk or SSD/Flash Drives that have not failed. SSD/Flash Drives that are specified by HPE as consumable parts and/or that have exceeded maximum supported lifetime and/or the maximum usage limit as set forth in the manufacturer's operating manual or the technical data sheet are not eligible for the defective media retention service feature option.

For more information

To learn more on services for HPE ESSN Options, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Or
visit: **https://www.hpe.com/us/en/support.html**
or **https://www.hpe.com/us/en/services/operational.html**

Recommended HPE Pointnext operational services for optimal satisfaction with your HPE product

Recommended Services

3-Year HPE 24x7 4 hour Response, Hardware Support Onsite Service
Provides you with rapid remote support and if required a Hewlett Packard Enterprise Authorized representative who will arrive on site any time and day of the year to begin hardware maintenance service within 4 hours of the service request being logged.

HPE ProLiant Server Hardware Installation
Provides for the basic hardware installation of Hewlett Packard Enterprise branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner

3-Year HPE 6 hour Hardware Support Onsite Call-to-Repair Service
Provides an IT manager with a team of support specialists who will quickly begin troubleshooting the system to help return the hardware to operating condition within 6 hours of the initial service request to the HPE Global Solution Center

HPE Proactive Select Service
Provides a flexible way to purchase HPE best-in-class consultancy and technical services. You can buy Proactive Select Service Credits when you purchase your hardware and then use the credits over the next 12 months.

HPE Pointnext operational services

HPE Install Universal Power Supply 3KVA to Below 6KVA Service	U4693E
HPE Install Universal Power Supply Less Than 3KVA Service	U4690E

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HPE Model Matrix

HPE R5000 and R7000 UPS Models				
Part Number	**Operating Voltage Settings**	**Power Out (VA/Watts)**	**Input Connection**	**Output Connection**
AF462A	200/208*	7200VA/7200W	Hubble CS8265C, 3m cord	LS1: 15A CB - 3 x C19 + 1 x L6-30R LS2: 15A CB - 3 x C19 + 1 x L6-30R
AF460A	200/208*, 220, 230, 240	5000/4500	L6-30P, 3m cord	LS1: 15A CB - 2 x C19 + 2 x C13 LS2: 15A CB - 2 x C19 + 2 x C13 Plus one pigtailed receptacle (LS1) 1 x L6-30R
	200V	2490/2241		

[1] Factory default setting.
[2] LS1 thru LS4 = Load Segment 1 thru 4 (or less depending on unit)
[3] LS5 = Load Segment 5

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Estimated Backup Times

R5000 UPS

Load (Percent*)	**With internal batteries** (Minutes)	**With One ERM** (Minutes)	**With Four ERMs** (Minutes)
450W (10%)	87	206	755
900W (20%)	36	99	349
1350W (30%)	22	64	222
1800W (40%)	15	47	162
2250W (50%)	12	37	126
2700W (60%)	9	31	103
3150W (70%)	8	26	87
3600W (80%)	6	23	75
4050W (90%)	6	20	66
4500W (100%)	5	18	58

NOTE: Backup times are estimated for typical applications. Actual performance will depend on load and battery conditions.

R7000 UPS INTL

Load (Percent*)	**With internal batteries** (Minutes)	**With One ERM** (Minutes)	**With Four ERMs** (Minutes)
650W (10%)	185	282	834
1300W (20%)	62	118	357
1950W (30%)	33	70	218
2600W (40%)	21	49	153
3250W (50%)	15	37	117
3900W (60%)	11	29	93
4550W (70%)	9	24	77
5200W (80%)	7	20	66
5850W (90%)	6	18	57
6500W (100%)	5	15	50

NOTE: Backup times are estimated for typical applications. Actual performance will depend on load and battery conditions.

R7000 UPS NA/JP

Load (Percent*)	**With internal batteries** (Minutes)	**With One ERM** (Minutes)	**With Four ERMs** (Minutes)
720W (10%)	160	237	736
1440W (20%)	53	100	309
2160W (30%)	28	60	186
2880W (40%)	18	42	130
3600W (50%)	12	32	98
4320W (60%)	9	25	78
5040W (70%)	7	21	64
57600W (80%)	6	18	54
6480W (90%)	5	15	47
7200W (100%)	4	13	41

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Estimated Backup Times

NOTE: Backup times are estimated for typical applications. Actual performance will depend on load and battery conditions.

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End-of-life Management

Environment-friendly Products and Approach - End-of-life Management and Recycling	Hewlett Packard Enterprise offers end-of-life **product return, trade-in, and recycling programs**, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner. The EU WEEE Directive (2012/19/EU) 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 Enterprise web site**. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

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Summary of Changes

Date	Version History	Action	Description of Change
01-Oct-2018	Version 17	Changed	Overview and Models were updated.
02-Jul-2018	Version 16	Changed	Models Section was Updated
05-Mar-2018	Version 15	Changed	Overview was updated
23-Oct-2017	Version 14	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
21-Feb-2017	Version 13	Changed	Estimated Backup Times section was updated.
26-Oct-2016	Version 12	Changed	Version reverted.
26-Sep-2016	Version 11	Changed	Overview and Models, Key Features, Tower UPS Compatibility, and Product Specifications were revised.
28-Sep-2015	Version 10	Added	Added new Rack UPS Models to the Overview and Models section. Towers G4 UPS Specifications table was added to Tower UPS Specifications. HPE R/T2200 and R/T3000 Tower Uninterruptible Power System (UPS) were added to HPE Rack/Tower UPS Specifications.
		Changed	Overview and Models, Tower UPS Features, HPE Rack UPS Specifications were revised.
		Removed	Tower UPS Front Panel was removed from QuickSpecs.
04-Jun-2015	Version 9	Changed	Overview and Models, HPE Tower UPS Specifications, HPE Rack UPS Specifications, Related Options, HPE Model Matrix, and Estimated Backup Times sections were revised.
		Removed	Obsolete SKUs were removed from the QuickSpecs.
30-Mar-2015	Version 8	Changed	Changes made throughout the entire QuickSpecs.
09-Feb-2015	Version 7	Added	Added G4 models.
		Changed	Changed name to HPE Line Interactive Single Phase Uninterruptible Power Systems (UPS). Consolidated Tower, Rack/Tower, and Rack Models into one single QuickSpecs.
08-Feb-2013	Version 6	Changed	Changed G3 to G2 in the Intelligent Manageability section.
24-Aug-2012	Version 5	Changed	Change made in Models section.
15-Aug-2012	Version 4	Removed	Removed inactive links.
09-Jan-2012	Version 3	Changed	Revised an inactive link in the Compatibility section of Standard Features.
20-Jul-2011	Version 2	Changed	Descriptions for the Models section were updated.
20-Jun-2011	Version 1	New	New QuickSpecs.

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