

### Overview and Models

#### HPE Single Phase Tower Uninterruptible Power Systems (UPS)

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

HPE Line Interactive Single Phase Tower Uninterruptible Power System (UPS) solutions are ideal for protecting tower servers, network-attached storage (NAS), network equipment, ATMs, ticket machines, kiosks and much more with up to eight power outlets. 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, available via free download, enables you to remotely manage an HPE Tower UPS through USB or serial connection to a proxy server.

HPE Tower UPS solutions 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 Protector that the battery may fail, the battery is replaced free of charge while under warranty. If purchasing an HPE Tower UPS with an HPE server, storage, or networking solution, Foundation Care Services for these products are automatically extended to your UPS at no additional charge.

#### Why HPE Tower UPS solutions?

- HPE Foundation Care Services purchased for servers, storage, and networking products extend to our rack and power infrastructure products at no additional cost when purchased together;
- HPE rack and power infrastructure products are designed and developed to be used specifically with our server, storage and networking products. When used with Hewlett Packard Enterprise servers, you are able to take advantage of various server and IP-based tools used for maintaining and managing all the equipment in the rack.
- While you have many choices for rack and power infrastructure products, Hewlett Packard Enterprise offers an extensive range of rack, power, and KVM products to meet all your needs. HPE can help to simplify IT purchasing, installation, usage, and maintenance for your organization by providing a single point of contact for all your needs.

#### **Tower UPS Models**

##### **HPE T750 G4 UPS Models**

HPE T750 G4 NA/JP Uninterruptible Power System J2P85A

HPE T750 G4 INTL Uninterruptible Power System J2P88A

##### **HPE T1000 G4 UPS Models**

HPE T1000 G4 NA/JP Uninterruptible Power System J2P86A

HPE T1000 G4 INTL Uninterruptible Power System J2P89A

##### **HPE T1500 G4 UPS Models**

HPE T1500 G4 NA/JP Uninterruptible Power System J2P87A

HPE T1500 G4 INTL Uninterruptible Power System J2P90A

## Key Features

### Power Protection Optimized for Smaller IT Environments

Compact tower form factor that's ideal for protecting tower servers, network-attached storage (NAS), network equipment, ATMs, ticket machines, kiosks and more with up to eight power outlets.

#### Manageability

- Integrated LCD Display allows for access to system status such as input voltage, load level, and system runtime, as well as access to configurable features such as audible alarm and power input sensitivity
- HPE Power Protector software supports management over the network through a proxy server via Serial and USB (HID-compliant) ports provided with the UPS

#### Serviceability

- HPE's Enhanced Battery Management (EBM) technology maximizes battery service life by up to 50%
- User-replaceable\* batteries accessed through the front panel for easy replacement increases availability by reducing Mean Time To Repair (MTTR)
- Hot-Swappable batteries allows for continuation of UPS operation and system protection while batteries are being replaced

**NOTE:** \*Servicing should be performed by qualified personnel knowledgeable of batteries and required precautions.

#### Reliability

- Buck and boost operation corrects a wide range of input voltage variations through continuous regulation
- Battery mode operation provides a pure sine wave output signal for any sensitive equipment connected
- Protected by HPE **three-year warranty** covering both UPS and battery

### HPE Power Protector Software

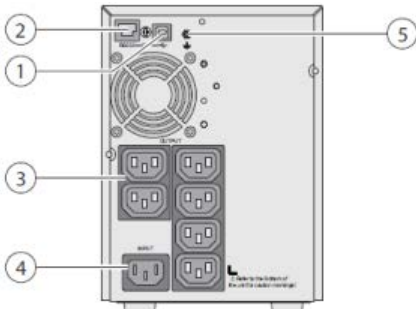
- UPS power management via HPE Power Protector available via free download from [HPE.com](http://HPE.com)
- Directly connect to proxy server via USB or serial connection to create UPS "administrator" configuration
- Allows for local or network-based UPS monitoring, status updates, and control over shutdown communications
- Download to other servers or IT devices to create "clients" that can be configured for graceful shut down

### What's In The Box?

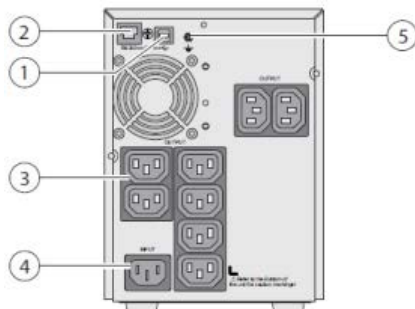
- HPE Tower UPS
- USB cable (1) for connection to proxy management server
- Serial management cable (1) included for local firmware upgrades and connection to proxy management server
- UPS Documentation

Key Features

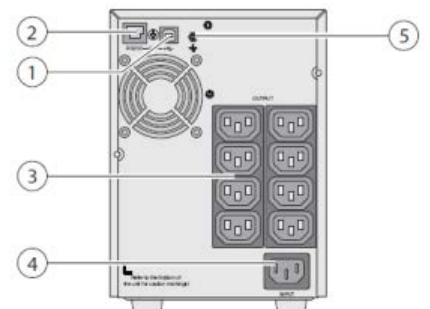
Tower UPS Rear Panel



HPE T750 G4 UPS INTL



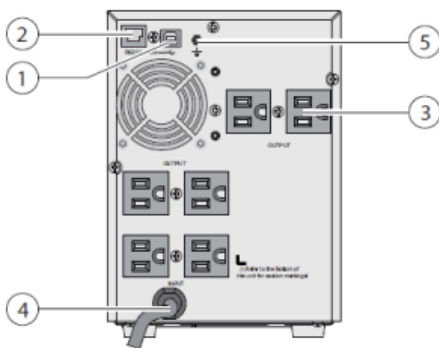
HPE T1000 G4 UPS INTL



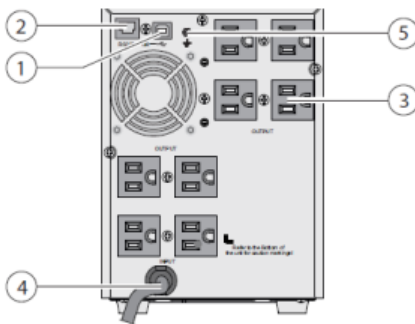
HPE T1500 G4 UPS INTL

- 1. USB Communication Port
- 2. RS-232 Communication Port
- 3. Outlets for Connection of Critical Equipment

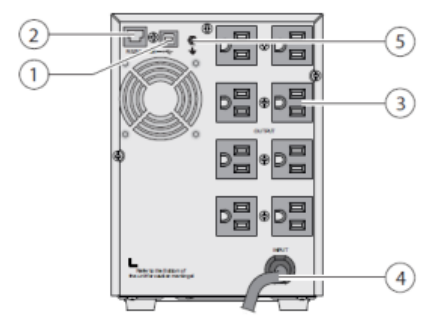
- 4. Socket for Connection to AC Power Source
- 5. Ground Screw



HPE T750 G4 UPS NA/JPN



HPE T1000 G4 UPS NA/JPN



HPE T1500 G4 UPS NA/JPN

- 1. USB Communication Port
- 2. RS-232 Communication Port
- 3. Outlets for Connection of Critical Equipment

- 4. Attached 6-ft. Input Power Cord for AC Power Source
- 5. Ground Screw

## Tower UPS Compatibility

### HPE Tower UPS Compatibility

HPE Single Phase Tower UPS Models are compatible with most IT devices and office equipment available on the market today. Compatibility may be limited by the following conditions:

- Appropriate outlet connections available on each HPE Tower UPS model – check to ensure the model you select has the correct number and/or type of NEMA or IEC outlets required
- Available power output to support your connectivity requirements – check to ensure that your total power requirements do not exceed the wattage capabilities of the model you have selected
- Tower UPS usage in only those countries where appropriate safety certifications have been performed – see “Product Specifications” for a list of approved Safety Markings and Certifications

### Recommended HPE Server Compatibility

- HPE ProLiant MicroServer
- HPE ProLiant ML10 & ML30
- HPE ProLiant ML110 & ML150
- HPE ProLiant ML350

## Tower UPS Compatibility

### HPE Power Protector OS Compatibility

	Operating System (Client & Admin)		Service Pack	HPE Power Protector		
				Admin	Client	
<b>MS Windows</b>	Windows Server 2012 R2	Standard, DataCenter, Essentials		✓	✓	
	Windows Server 2008 R2	Standard, DataCenter, Enterprise		✓	✓	
	Windows Domain Controller	Enterprise, Pro, Core		✓	✓	
	Windows 8.1	Enterprise, Pro, Core		✓	✓	
	Windows 10	Enterprise, Pro, Core		✓	✓	
<b>Linux</b>	RedHat Enterprise Linux	Red Hat Enterprise Linux 7.1		✓	✓	
		Red Hat Enterprise Linux 7.0		✓	✓	
		Red Hat Enterprise Linux 6.7		✓	✓	
		Red Hat Enterprise Linux 6.5		✓	✓	
		Red Hat Enterprise Linux 5.11		✓	✓	
	SUSE/Novel	SUSE Linux Enterprise Server 12		✓	✓	
SuSE Linux Enterprise Server 11		SP3	✓	✓		
<b>Unix</b>	HP-UX	HP-UX 11i v3		✓	✓	
		HP-UX 11i v2		✓	✓	
<b>Virtual Environments</b>	Vmware	ESXi 6.0 (pay version only)	U2		✓	
		ESXi 6.0 (pay version only)	U1		✓	
		ESXi 5.5 (pay version only)	U3		✓	
		ESXi 5.1 (pay version only)	U1		✓	
	Microsoft HyperV	Windows Hyper-V Server 2012	R2		✓	
		Windows Hyper-V Server 2008	R2		✓	
	<b>Xen</b>	Citrix XenServer	6.0			✓
			5.6			✓

## Product Specifications

### G4 Tower UPS Specifications

<b>Electrical Input</b>	<b>Voltage Range</b>	± 20% for nominal voltages of 100, 110, 120, 220, 230, and 240VAC
	<b>Frequency</b>	50/60 Hz
	<b>Online Efficiency</b>	>94%
	<b>Online Regulation</b>	-10% to +6% of nominal voltage
<b>Electrical Output</b>	<b>On-Battery Regulation</b>	±5%, -10% of nominal voltage
	<b>Voltage Wave Form</b>	Sine wave
	<b>Connections</b>	See Model Selection Matrix
	<b>Output Protection</b>	Firmware overload sensing and control
<b>Battery</b>	<b>Battery Type</b>	12V, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries
	<b>Backup Time</b>	See Backup Times Chart
	<b>Recharge Time</b>	<4 hours to charge 90% usable capacity. <24 hours for complete recharge
<b>Communications</b>	<b>Serial Ports</b>	RS232 (via RJ45 connector to DB9) and USB ports
	<b>LCD Interface</b>	LCD Display and Button Interface
	<b>Software</b>	HPE Power Protector management software available via download
<b>Environmental and Safety</b>	<b>Operating Temperature</b>	32° to 104° F (0° to 40° C) ( with battery)
	<b>Non-Operating Temperature</b>	-15° to 104° F (-26° to 40° C) (without battery)
	<b>Operating Humidity</b>	5% to 90% (non-condensing)
	<b>Storage Humidity</b>	5% to 90% (non-condensing)
	<b>Operating Altitude</b>	Up to 1500 m above sea level
	<b>Audible Noise</b>	<40dB in normal operation. <45dB while on inverter
	<b>Safety Markings</b>	NA/JPN, UL/cUL, ICES B, NOM, VCCI; INT'L: CE, TUV, RCM, EAC, KC
<b>Safety Certifications</b>	UL1778, CSA-C22.2 No 107.3-05, EN 62040-1, IEC 62040-1, IEC 60950-1	

### HPE T750 G4 UPS Specifications

<b>T750 G4, NA/JP</b> J2P85A	<b>Load Segments</b>	1
<b>T750 G4, INTL</b> J2P88A	<b>Unit Dimensions (WxDxH)</b>	5.9 x 13.4 x 8.3 inch (150 x 340 x 210 mm)
	<b>Shipping Dimensions (LxWxH)</b>	18.7x 9.4 x 12.1 inch (476 x 238 x 308 mm)
	<b>Unit/Shipping Weight</b>	23.6 lbs. (10.7kg) / 26.4 lbs. (12 kg)

### HPE T1000 G4 UPS Specifications

<b>T1000 G4, NA/JP</b> J2P86A	<b>Load Segments</b>	1
<b>T1000 G4, INTL</b> J2P89A	<b>Unit Dimensions (WxDxH)</b>	5.9 x 13.4x 8.3 inch (150 x 340x 210 mm)
	<b>Shipping Dimensions (LxWxH)</b>	18.7 x 9.4 x 12.1 inch (476 x 238 x 308 mm)
	<b>Unit Weight</b>	25.1 lbs. (11.4kg) / 28.7 lbs. (13 kg)

### HPE T1500 G4 UPS Specifications

<b>T1500 G4, NA/JP</b> J2P87A	<b>Load Segments</b>	1
	<b>Unit Dimensions (WxDxH)</b>	5.9 x 16.1 x 8.3inch (150 x 410 x 210 mm)

## Product Specifications

**T1500 G4, INTL**  
J2P90A

**Shipping Dimensions** (LxWxH) 19.6 x 9.4 x 12.1 inch (498 x238 x 308 mm)

**Unit Weight** 34.4 lbs. (15.6 kg) / 37.3 lbs. (16.9 kg)

## Warranty & Support

### Warranty

When you need it, use outstanding HPE support services for your whole data center environment. With HPE Support 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).

### Parts and materials

Hewlett Packard Enterprise will provide Hewlett Packard Enterprise-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. Supplies and consumable parts will not be provided as part of this service; standard warranty terms and conditions apply. Parts and components that have exceeded their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual or the technical product data sheet will not be provided, repaired or replaced as part of this service.

### 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 under TS support services; standard warranty terms and conditions apply.

### 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: <http://www.hpe.com/services/proliant> or <http://www.hpe.com/services/bladesystem>

### HPE Support Services

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



## Power Cord Options

### Power Cords

Choose from the list of country-specific power cords to provide both input and output power for HPE Tower Servers.

USA/Canada	HP C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord	AF556A
China	HP C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord	AF557A
Argentina	HP C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord	AF558A
Thailand / Philippines	HP C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord	AF559A
Korea	HP C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord	AF560A
Taiwan	HP C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord	AF561A
India	HP C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord	AF562A
Israel	HP C13 - SI-32 IL 250V 10Amp 1.83m Power Cord	AF564A
Switzerland	HP C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord	AF565A
Denmark	HP C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord	AF566A
South Africa	HP C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord	AF567A
European Union	HP C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord	AF568A
Australia/New Zealand	HP C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord	AF569A
UK/Hong Kong/Singapore	HP C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord	AF570A
Italy/Chile	HP C13 - CEI-23-50 IT/CL 250V 10Amp 1.83m Power Cord	AF571A
Japan	HP C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord	AF572A
Brazil	HP C13 - NBR-14136 BR 250V 10Amp 1.83m Power Cord	AF591A

## HPE Model Matrix

<b>HPE T750 G4 UPS Model</b>				
<b>Part Number</b>	<b>Operating Voltage Settings</b>	<b>Power Out (VA/Watts)</b>	<b>Input Connection</b>	<b>Output Connection</b>
J2P85A North America/ Japan	110V - 120V	750VA/525W	Attached 1.8m NEMA 5-15 power cord (16AWG)	6 – NEMA 5-15 outlets
	100V (Japan)*	750VA/500W		
J2P88A International	220V/230V/240V	750VA/525W	C14 Inlet (Detachable country specific power cord – see “Power Cord Options” section)	6 – IEC C13 outlets
<b>HPE T1000 G4 UPS Model</b>				
<b>Part Number</b>	<b>Operating Voltage Settings</b>	<b>Power Out (VA/Watts)</b>	<b>Input Connection</b>	<b>Output Connection</b>
J2P86A North America/ Japan	120V	1000VA/700W	Attached 1.8m NEMA 5-15 power cord (16AWG)	8 – NEMA 5-15 outlets
	110V	1000VA/680W		
	100V (Japan)*	1000VA/680W		
J2P89A International	220V/230V/240V	1000VA/700W	C14 Inlet (Detachable country specific power cord – see “Power Cord Options” section)	8 – IEC C13 outlets
<b>HPE T1500 G4 UPS Model</b>				
<b>Part Number</b>	<b>Operating Voltage Settings</b>	<b>Power Out (VA/Watts)</b>	<b>Input Connection</b>	<b>Output Connection</b>
J2P87A North America/ Japan	120V	1440VA/1080W	Attached 1.8m NEMA 5-15 power cord (14AWG)	8 – NEMA 5-15 outlets
	110V	1325VA/994W		
	100V (Japan)*	1200VA/980W		
J2P90A International	220V/230V/240V	1500VA/1050W	C14 Inlet (Detachable country specific power cord – see “Power Cord Options” section)	8 – IEC C13 outlets
<b>*NOTE: Voltage is user selectable via LCD Front Display Panel.</b>				

## Estimated Run Times

Battery runtimes are approximate and may vary with equipment, configuration, battery age, temperature, etc.

### Tower UPS Models

Load (Percent)	Load (Watts)	Estimated battery runtime at 100% battery charge (Minutes)
<b>T750 G4 UPS</b>		
10%	53W	68
20%	105W	37
30%	158W	21
40%	210W	16
50%	263W	15
60%	315W	10
70%	368W	9
80%	420W	7
90%	473W	7
100%	525W	6
<b>T1000 G4 UPS</b>		
10%	70W	65
20%	140W	32
30%	210W	21
40%	280W	16
50%	350W	12
60%	420W	10
70%	490W	9
80%	560W	8
90%	630W	7
100%	700W	6
<b>T1500 G4 UPS</b>		
10%	108W	80
20%	216W	36
30%	324W	23
40%	432W	16
50%	540W	13
60%	648W	10
70%	756W	9
80%	864W	7
90%	972W	7
100%	1080W	6

## Estimated Run Times

**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.

**[http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA\\_krKiM](http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA_krKiM)**

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 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.

**[http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA\\_krKiM](http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA_krKiM)**

## Summary of Changes

Date	Version History	Action	Description of Change
28-Oct-2016	Version 1	Added	New QuickSpecs.



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