HP Tower Uninterruptible Power Systems

Every data center is vulnerable to power fluctuations or power outages. Is your data center protected?

An erratic power supply with looming blackouts and/or brownouts threatens business continuity, but growing organizations like yours cannot afford to take chances. Any downtime means a loss in productivity, lowered customer confidence, and a decline in revenue. So how does your organization overcome this problem?

Adopt HP Tower Uninterruptible Power Systems (UPS) to protect your equipment and critical data against unexpected power disruptions. The HP Tower UPS provides reliable power protection with clean, uninterrupted power for servers, storage, computer equipment, and network environments. Tailored to provide advanced power protection (or increased uptime) the UPS tower form factor has an intuitive front panel display, Enhanced Battery Management (EBM), prioritized shut down, hot-swappable battery, Network Transient Protection, and serial plus USB ports for data exchange with the host computer.

Enhanced performance

- Automatic voltage regulation controls output while reducing battery use.
- EBM increases the battery service life and lowers overall cost of ownership.
- HP uses a three-stage charging technique, which increases battery service life, optimizes recharge time for quick recovery after power outages, and provides advanced warning of the end of useful battery life. Other UPS products available in the market are trickle charged, which makes them reach the end of their useful life in less than half the time than batteries charged using EBM.
- A hot-swappable battery helps you to safely install a new battery without ever powering down the connected equipment.
- The intuitive front panel display facilitates easy configuration while indicating the UPS status.
- The Network Transient Protector protects your data center equipment from "back door" power surges.
- USB and serial ports provide robust connectivity.

All HP options are automatically covered when you purchase an HP ProLiant Care Pack for your HP server, reducing total cost of ownership and system downtime.

Secure your business against power disruptions—adopt the HP Tower Uninterruptible Power Systems

Better management with robust software

The downloadable HP Power Protector Software facilitates a graceful, remote shut down to make sure that all devices are powered down in an orderly manner, saving all work in progress.

- A browser-based management console for remote management and monitoring
- Simplified deployment, configuration, and management of UPS-protected environments
- Prioritized shut down of attached load devices
- Key diagnostics including load level and temperature monitoring
- Complete log of events and UPS utility data
- Management of an unlimited number of servers through remote agents
- Alerts users through email alerts and broadcast

Warranty

- A 3-year limited warranty is among the longest in the industry, reducing total cost of ownership and system downtime.
- The HP 30-day pre-failure warranty extends the 3-year warranty by applying it to the battery before it actually fails.
- Your HP UPS will be covered at the same service level and coverage period as your HP server as part of the HP ProLiant Care Pack Services.
- A $250,000 USD equipment load protection guarantee provides additional peace of mind. This guarantee is available in North America only.

Get a rock-solid foundation for your data center

HP Tower UPS products fall within the scope of HP Qualified Options, known for their dependable quality. Able to integrate with ProLiant, Integrity, and Storage, HP Qualified Options are not only easy to maintain, but also give you confidence in your entire infrastructure.

HP Services

When technology works, business works.

When you buy HP ProLiant Options for your HP ProLiant servers, you should also think about support services.

Recommended HP Care Pack Services

- 3-Year HP 24x7 4-hour response, Hardware Support Onsite Service
- HP ProLiant Server Hardware Installation Service

Related HP Care Pack Services

- 3-Year HP 6-hour Hardware Support Onsite Call-to-Repair Service
- HP Proactive Select Service

All support services come with Insight Remote Support, available at no additional cost, delivering remote monitoring, diagnoses, and problem resolution.

Coverage: For ProLiant servers, care pack services provide cover for HP-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 UPS battery is not included; standard warranty terms and conditions apply.

For more information, visit:
hp.com/services/proliant
hp.com/services/bladesystem.

Technical specifications

HP Tower Uninterruptible Power Systems (UPS) T750 G2, T1000 G3 and T1500 G3

Electrical input and output	
Online efficiency	95%
Online regulation	−10% to +10% of nominal voltage
On battery regulation	±5% of nominal voltage
Output protection	Re-settable circuit protectors
Battery	
Type	Valve-regulated lead acid (VRLA)
Recharge time	<3 hours to 90% usable capacity; <24 hours for complete recharge
Environmental and safety	
Operating temperature	32°F to 104°F/0°C to 40°C
Operating humidity	5% to 95% (non-condensing)
Operating altitude	Up to 4,921 ft (1,500 m) above sea level
Transit/storage temperature	–5°F to 131°F/-15°C to 55°C
Audible noise	Less than 45 dBA max
Safety markings	UL, GS, S Mark, NOM, EK, GOST, TISI
Safety certifications	UL 1778; CSA22.2
Emissions	FCC CFR 47, Part 15 Class B, CISPR 22, EN55022
EMC markings	CE, FCC, ICES, C-Tick, VCCI
Immunity	EN55024, EN62040-2
Surge suppression	Conforms to IEC 61000-4-5, Level 3EEE 587B, and ANSI C62.41

Backup times[1] (in minutes)			
	Load (in percentage)	Load, watts	Estimated battery runtime at 100% battery charge
T750 G2	50%	250	15 minutes
	100%	500	5 minutes
T1000 G3	50%	335	15 minutes
	100%	670	5 minutes
T1500 G3	50%	475	15 minutes
	100%	950	5 minutes

[1] Backup times are estimated for typical applications. Actual performance will depend on environmental conditions, ambient temperature, battery age, and other factors. Technical information in this document is subject to change without notice.

For more information, please consult the UPS QuickSpecs:
http://h18000.www1.hp.com/products/quickspecs/13160_div/13160_div.pdf.

Ordering information

HP Tower Uninterruptible Power Systems (UPS) T750 G2, T1000 G3 and T1500 G3

Model part number	SKU #	VA/watts	Input connection	Output connections/load segments
Low voltage models (100–120 VAC; 60 Hz)[2]				
T750 G2 North America	AF446A	750 VA	NEMA 5-15P	(4) NEMA 5-15R
T1000 G3 North America	AF448A	1000 VA	NEMA 5-15P	(6) NEMA 5-15R
T1500 G3 North America	AF450A	1500 VA	NEMA 5-15P	(6) NEMA 5-15R
T750 G2 Japan	AF458A	750 VA/500 W	NEMA 5-15P	6 NEMA 5-15R
T1000 G3 Japan	AF457A	1000 VA/670 W	NEMA 5	6 NEMA 5
T1500 G3 Japan	AF458A	1500 VA/950 W	NEMA 5	6 NEMA 5
High-voltage models (220–240 VAC; 50/60 Hz)[3]				
T750 G2 International	AF447A	750 VA	IEC-320-C14	(4) IEC-320-C13
T1000 G3 International	AF449A	1000 VA	IEC-320-C14	(6) IEC-320-C13
T1500 G3 International	AF451A	1500 VA	IEC-320-C14	(6) IEC-320-C13

[2] User selectable for 100, 110, or 120 VAC through back panel.

[3] User selectable for 220, 230, or 240 VAC through back panel.

Ideal environment

- Growing businesses with critical data and electronic equipment in areas prone to have variable electrical power currents, brownouts, and/or blackouts
- Organizations requiring compact backup battery power in a tower form factor
- Organizations that need a clean, steady source of electrical power for servers and equipment
- Desktop applications, remote sites, and retail environments with power requirements less than 950 W

Secure your business against power disruptions—adopt the HP Tower UPS

Provides a steady flow of power to data center equipment against brownouts as low as 80 V in North America and Japan, while in the international market it regulates brownouts as low as 180 V.

Right-size your power backup

Do you need to find the correct HP UPS for your system? Just visit **www.upssizer.com** and select the right HP Tower and Rack-mountable UPS in two easy steps:

1. Determine the group of devices you need to protect.
2. Specify your UPS requirements such as input voltage, required backup time, and provisions for future growth.

The HP UPS sizer selects the most suitable UPS solution for your needs and shows the technical specifications of the recommended UPS.

Shield your business-critical data from power outages; visit **hp.com/products/ups**.

Get connected

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