QuickSpecs

Overview and models

HP Line Interactive Single Phase Uninterruptible Power Systems (UPS)

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

HP 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, hot-swappable battery modules, and HP Enhance Battery Management (EBM) that help to extend the service-life of your batteries. HP Power Protection, 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 HP Systems Insight Manager or via a standard web browser. Backed by a 3-year limited warranty, HP's exclusive 30-day Battery Pre-Failure Warning provides notification of an impending battery failure and free battery replacement while under the warranty.

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

HP Tower Models

G4 Models	**HP T750 G4 UPS Models**	
	HP T750 G4 NA/JP Uninterruptible Power System	J2P85A
	HP T750 G4 INTL Uninterruptible Power System	J2P88A
	HP T1000 G4 UPS Models	
	HP T1000 G4 NA/JP Uninterruptible Power System	J2P86A
	HP T1000 G4 INTL Uninterruptible Power System	J2P89A
	HP T1500 G4 UPS Models	
	HP T1500 G4 NA/JP Uninterruptible Power System	J2P87A
	HP T1500 G4 INTL Uninterruptible Power System	J2P90A
G2/G3 Models	**HP T750 G2 UPS Models**	
	HP T750 G2 750VA NA Tower Uninterruptible Power System	AF446A
	HP T750 G2 750VA INTL Tower Uninterruptible Power System	AF447A
	HP T750J JP Uninterruptible Power System	AF456A
	HP T1000 G3 UPS Models	
	HP T1000 G3 1000VA NA Tower Uninterruptible Power System	AF448A
	HP T1000 G3 1000VA INTL Tower Uninterruptible Power System	AF449A
	HP T1000J JP Uninterruptible Power System	AF457A
	HP T1500 G3 UPS Models	
	HP T1500 G3 1400VA NA Tower Uninterruptible Power System	AF450A
	HP T1500 G3 1400VA INTL Tower Uninterruptible Power System	AF451A
	HP T1500J JP Uninterruptible Power System	AF458A

HP Rack/Tower Models

G4 Models	**HP R/T2200 G4 UPS Models**	
	HP R/T2200 G4 NA/JP Uninterruptible Power System	J2R00A
	HP R/T3000 G4 UPS Models	
	HP R/T3000 G4 Low Voltage NA/JP Uninterruptible Power System	J2R01A
	HP R/T3000 G4 High Voltage NA/JP Uninterruptible Power System	J2R02A
	HP R/T3000 G4 High Voltage INTL Uninterruptible Power System	J2R04A
G2 Models	**HP R/T3000 G2 UPS Models**	
	HP R/T3000 G2 2U L530 Low Voltage NA/JP Uninterruptible Power System	AF466A

Overview and models

HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467A
HP R/T3000 G2 2U Detachable Cord High Voltage INTL Uninterruptible Power System	AF468A

HP Rack Models

G4 Models

R1500 G4 Models

HP R1500 G4 NA Uninterruptible Power System	J2Q99A
HP R1500 G4 JP/TWN Uninterruptible Power System	J2R05A
HP R1500 G4 INTL Uninterruptible Power System	J2R03A

G3 Models

R1.5kVA G3 Models

HP R1.5kVA G3 1U NA Uninterruptible Power System	AF469A
HP R1.5kVA G3 1U JP/TW Uninterruptible Power System	AF470A
HP R1.5kVA G3 1U INTL Uninterruptible Power System	AF471A

R7000

HP R7KVA 4U 50A High Voltage Uninterruptible Power System	AF462A

R5000

HP R5KVA 3U L630 High Voltage Uninterruptible Power System	AF460A

HP Tower UPS key features

Tower UPS Models Provide Power Protection and Management Optimized for Smaller IT Environments

- HP Line Interactive Single Phase Uninterruptible Power System Tower models lower your power protection cost by providing up to eight (8) power outlets per UPS, allowing you to safeguard your IT and office equipment.
- Standard features include an intuitive front panel display, Enhanced Battery Management (EBM), Network Transient Protection, and serial and USB ports for data exchange with the host computer.
- Support hot-swappable battery packs that allow you to safely install a new battery without ever powering down connected computer equipment.
- Includes (at no additional cost) HP Power Manager software that provides the flexibility to monitor power conditions and control the HP UPS locally or remotely.
- Backed by a 3-year limited warranty and an exclusive 30-day Battery Pre-Failure Warning providing notification from HP Power Manager software of an impending battery failure and free replacement while under the warranty.

Key Features
- Manageability through USB and Serial ports
- Ease of configuration via enhanced front panel display.
- Long-term battery reliability with Enhanced Battery Management.
- Intelligent manageability with bundled Power Manager software.
- Hot-Swappable battery.
- Network Transient Protector
- Backed by a three-year warranty, with the first year including parts and labor. HP Battery Pre-Failure Warranty and a $250,000 load protection guarantee

NOTE: Certain restrictions and exclusions apply. Consult the HP Computer Support Center for details.

HP Tower Models

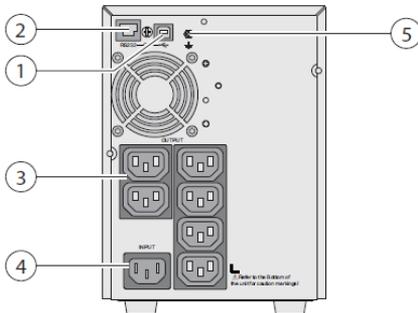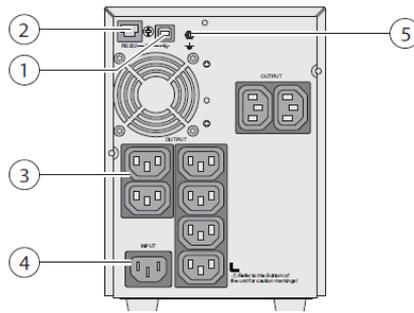|		
G4 Models	**HP T750 G4 UPS Models**	
	HP T750 G4 NA/JP Uninterruptible Power System	J2P85A
	HP T750 G4 INTL Uninterruptible Power System	J2P88A
	HP T1000 G4 UPS Models	
	HP T1000 G4 NA/JP Uninterruptible Power System	J2P86A
	HP T1000 G4 INTL Uninterruptible Power System	J2P89A
	HP T1500 G4 UPS Models	
	HP T1500 G4 NA/JP Uninterruptible Power System	J2P87A
	HP T1500 G4 INTL Uninterruptible Power System	J2P90A
G2/G3 Models	**HP T750 G2 UPS Models**	
	HP T750 G2 750VA NA Tower Uninterruptible Power System	AF446A
	HP T750 G2 750VA INTL Tower Uninterruptible Power System	AF447A
	HP T750J JP Uninterruptible Power System	AF456A
	HP T1000 G3 UPS Models	
	HP T1000 G3 1000VA NA Tower Uninterruptible Power System	AF448A
	HP T1000 G3 1000VA INTL Tower Uninterruptible Power System	AF449A
	HP T1000J JP Uninterruptible Power System	AF457A
	HP T1500 G3 UPS Models	
	HP T1500 G3 1400VA NA Tower Uninterruptible Power System	AF450A
	HP T1500 G3 1400VA INTL Tower Uninterruptible Power System	AF451A
	HP T1500J JP Uninterruptible Power System	AF458A

HP Tower UPS specifications

Tower UPS Rear Panel

HP T750 G4 UPS INTL
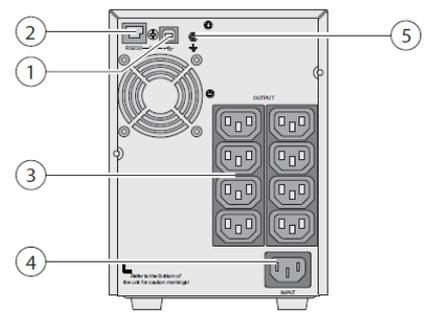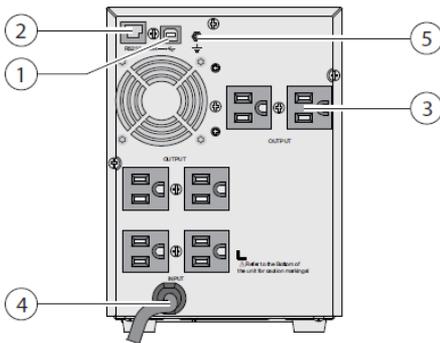

HP T1000 G4 UPS INTL

HP 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

HP T750 G4 UPS NA/JPN
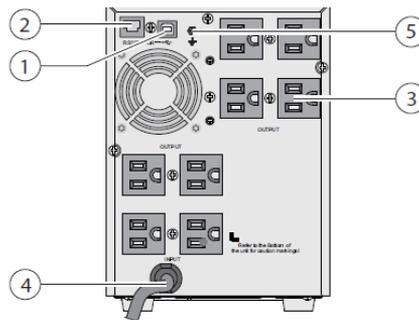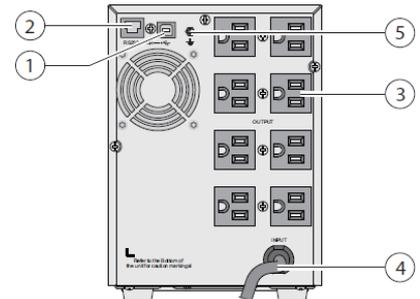

HP T1000 G4 UPS NA/JPN

HP 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

HP Tower UPS specifications
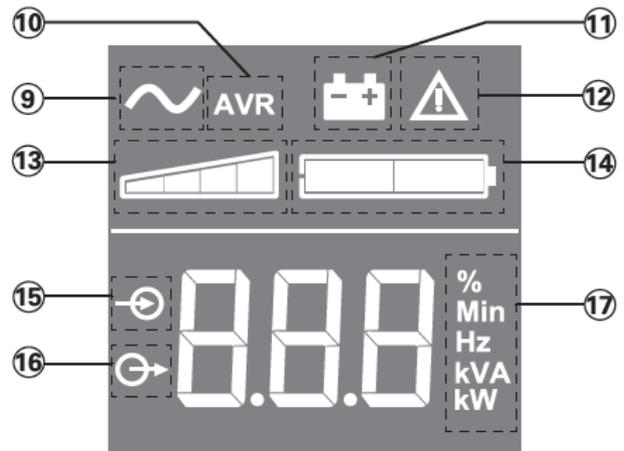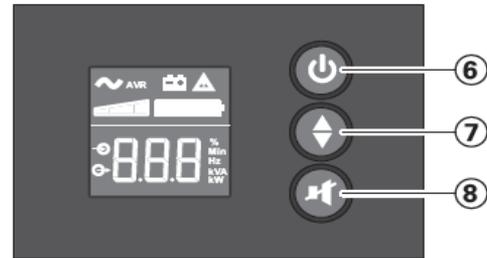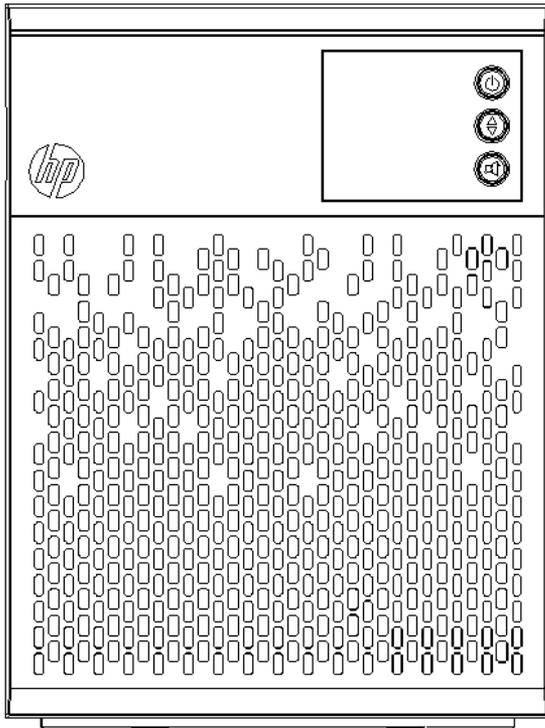
Tower UPS Front Panel

6. ON/OFF Button
7. Scroll Button
8. Mute Alarm
9. UPS On
10. AVR Mode
11. Battery Mode

12. Internal Fault
13. Output Load Level
14. Battery Level
15. Input Measurements
16. Output Measurements
17. Measuring Unit

QuickSpecs

HP Tower UPS specifications

Model Matrix

HP T750 G4 UPS Model

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
J2P85A NA/JP	110V to 120V 100V- Japan	750VA/525W 750VA/500W	Attached Nema 5-15 Plug type power cord, 16AWG	4 – Nema 5-15 receptacles
J2P88A INTL	220V/230V/240V	750VA/525W	C14 Inlet (For detachable country specific power cord	6 – IEC C13 receptacles
Kit Contents	- HP T750 G4 UPS 655755-001 USB communication cable (All versions of the kit) 743199-001 RJ45 to DB9 Communication cable (All version of the kit) 792522-021 Start Here Setup Information card (All versions of the kit) 703828-023 Safety Compliance Warranty Information Card (All versions of the kit) 142263-006 4.5ft –Qty 2 C13 to C14 Jumper Cords (INTL version of the kit only)			

HP T1000 G4 UPS Model

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
J2P86A NA/JP	100V (Japan) to 110V 120V	1000VA/680W 1000VA/700W	Attached Nema 5-15 Plug type power cord, 16AWG	8 – Nema 5-15 receptacles
J2P89A INTL	220V/230V/240V	1000VA/700W	C14 Inlet (For detachable country specific power cord	8 – IEC C13 receptacles
Kit Contents	- HP T100 G4 UPS 655755-001 USB communication cable (All versions of the kit) 743199-001 RJ45 to DB9 Communication cable (All version of the kit) 792522-021 Start Here Setup Information card (All versions of the kit) 703828-023 Safety Compliance Warranty Information Card (All versions of the kit) 142263-006 4.5ft –Qty 2 C13 to C14 Jumper Cords (INTL version of the kit only)			

HP T1500 G4 UPS Model

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
J2P87A NA/JP	100V Japan 110V 120V	1200VA/980W 1325VA/994W 1440VA/1080W	Attached Nema 5-15 Plug type power cord, 14AWG	8 – Nema 5-15 receptacles
J2P90A INTL	220V/230V/240V	1500VA/1050W	C14 Inlet (For detachable country specific power cord	8 – IEC C13 receptacles
Kit Contents	- HP T1500 G4 UPS 655755-001 USB communication cable (All versions of the kit) 743199-001 RJ45 to DB9 Communication cable (All version of the kit) 792522-021 Start Here Setup Information card (All versions of the kit) 703828-023 Safety Compliance Warranty Information Card (All versions of the kit) 142263-006 4.5ft –Qty 2 C13 to C14 Jumper Cords (INTL version of the kit only)			

HP Tower UPS specifications

Estimated Backup Times Chart

Tower UPS Models		Load (Percent)	Load (Watts)	Estimated battery runtime at 100% battery charge (Minutes)
G4 Models	T750 G4 Models	50%	250W	15
		100%	500W	5
	T1000 G4 Models	50%	335W	15
		100%	670W	5
	T1500 G4 Models	50%	475W	15
		100%	950W	5
G2 Models	T750 G2 Models	50%	250W	15
		100%	500W	5
G3 Models	T1000 G3 Models	50%	335W	15
		100%	670W	5
	T1500 G3 Models	50%	475W	15
		100%	950W	5

Tower UPS Models Specifications

HP T750 G4 UPS Specifications

T750 G4, NA/JP
J2P85A

Unit Dimensions (WxDxH)	5.9 x 13.1 x 7.6 inch (150 x 333 x 193 mm)
Shipping Dimensions	12.2 x 9.9 x 17.4 inch (310 x 257 x 442 mm)
Unit Weight	28.1 lbs (12.7kg)
Shipping Weight	30.9 lbs (14 kg)
Operating Voltage Settings	100V, 110V, 120V User selectable for 100V/110V/120V via dip switch setting on back of unit
Power Out (VA/Watts)	750VA/500W
Input Connection	Attached 6 foot power cord with NEMA 5-15P
Output Connection	(4) NEMA 5-15R
Load Segments	1
Operating Voltage Settings	220V, 230V, 240V User selectable for 220V/230V/ 240V via dip switch setting on back of unit

T750 G4, INTL
J2P88A

Power Out (VA/Watts)	750VA/500W
Input Connection	(1) IEC- 60320 C13
Output Connection	(4) IEC 320 C14
Load Segments	1

NOTE: Locate which Operating Systems are supported at: http://www.hp.com/products/powermanager.

HP T1000 G4 UPS Specifications

HP Tower UPS specifications

T1000 G4, NA/JP J2P86A	Unit Dimensions (WxDxH)	5.9 x 13.1x 7.6 inch (150 x 333 x 193 mm)
	Shipping Dimensions	12.2 x 9.9 x 17.4 inch (310 x 257 x 442 mm)
	Unit Weight	28.1 lbs (12.7kg)
	Shipping Weight	30.9 lbs (14 kg)
	Operating Voltage Settings	100V, 110V, 120V User selectable for 100V/110V/120V via dip switch setting on back of unit
	Power Out (VA/Watts)	NA: 1000VA/670W
	Input Connection	Attached 6 foot power cord with NEMA 5-15P
	Output Connection	(6) NEMA 5-15R
	Load Segments	1
T1000 G4, INTL J2P89A	Operating Voltage Settings	220V, 230V, 240V User selectable for 220V/230V/ 240V via dip switch setting on back of unit
	Power Out (VA/Watts)	1000VA/670W
	Input Connection	(1) IEC 320 C13
	Output Connection	(6) IEC 320 C14
	Load Segments	1

NOTE: Locate which Operating Systems are supported at:
http://www.hp.com/products/powermanager.

HP T1500 G4 UPS Specifications

T1500 G4, NA/J J2P87A	Unit Dimensions (WxDxH)	5.9 x 15.4 x 7.6 inch (150 x 390 x 193 mm)
	Shipping Dimensions	12.2 x 9.9 x 17.4 inch (310 x 257 x 518 mm)
	Unit Weight	37.4 lbs (17.0 kg)
	Shipping Weight	40.5 lbs (18 kg)
	Operating Voltage Settings	100V, 110V, 120V User selectable for 100V/110V/120V via dip switch setting on back of unit
	Power Out (VA/Watts)	1400VA/950W
	Input Connection	Attached 6 foot power cord with NEMA 5-15P
	Output Connection	(6) NEMA 5-15R
	Load Segments	1
T1500 G4, INTL J2P90A	Operating Voltage Settings	220V, 230V, 240V User selectable for 220V/230V/ 240V via dip switch setting on back of unit
	Power Out (VA/Watts)	1400VA/950W
	Input Connection	IEC 320 C13
	Output Connection	(6) IEC 320 C14
	Load Segments	1

NOTE: Locate which Operating Systems are supported at:
http://www.hp.com/products/powermanager.

HP Rack/Tower UPS specifications

Flexible Rack/Tower Models Deliver Cost-Effective Power Protection Inside and Outside of the IT Rack

- HP Line Interactive Single Phase Uninterruptible Power System Rack/Tower (R/T) models can be used in a traditional rackmount environment or converted to a tower UPS to support tower servers and other equipment outside of an IT rack.
- Support up to four (4) Extended Runtime Modules (ERM) to increase battery run time during a power outage.
- Standard features include an enhanced front panel display, HP Enhanced Battery Management (EBM) to easily manage and extend the service life of your batteries, and hot-swappable batteries that can be serviced while the UPS is in operation.
- HP Power Protection software (included) and an UPS Network Module (optional) enable you to monitor and manage power through HP Systems Insight Manager and other SNMP management programs or via a standard web browser.
- Backed by a 3-year limited warranty and an exclusive 30-day Battery Pre-Failure Warning providing notification from HP Power Manager software of an impending battery failure and free replacement while under the warranty.

Key features

- New convertible design can be used as a 2U rack mountable UPS or as a standalone tower UPS
- Increased power density with up to 3300VA / 3000 Watts (200-240V models)
- Greater system uptime with support for up to two Extended Runtime Modules (ERM)
- Easy configuration through enhanced front panel display
- Enterprise-wide intelligent manageability with bundled power management software
- Support for the HP UPS Network Module that extends the power management capabilities of the UPS
- More efficient voltage regulation using digital signal processing technology
- Ultimate long-term battery reliability with HP Enhanced Battery Management
- Enhanced system flexibility with two independently controlled load segments
- Support for Remote Emergency Power Off (REPO) circuitry
- Easy serviceability through modular design
- Hot-Swappable Batteries
- Backed by a three year warranty with the first year including parts and labor. HP's Pre-Failure warranty, and a $250,000 load protection guarantee*. (Certain restrictions and exclusions apply; *Load protection guarantee available in North America only.)
- Optional upgrades include:
  - Extended Runtime Modules (ERMs)
  - Management Cards

HP Rack/Tower UPS Models

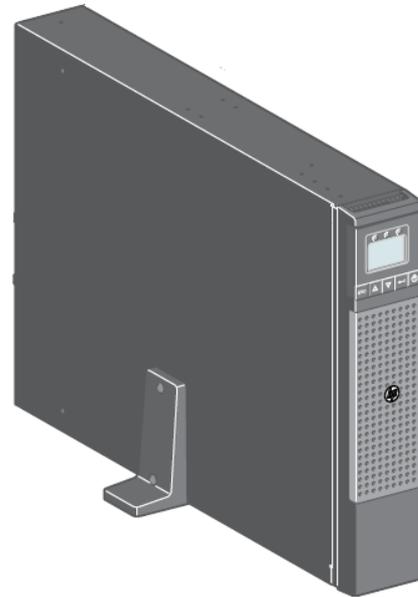|		
G4 Models	**HP R/T2200 G4 UPS Models**	
	HP R/T2200 G4 NA/JP Uninterruptible Power System	J2R00A
	HP R/T3000 G4 UPS Models	
	HP R/T3000 G4 Low Voltage NA/JP Uninterruptible Power System	J2R01A
	HP R/T3000 G4 High Voltage NA/JP Uninterruptible Power System	J2R02A
	HP R/T3000 G4 High Voltage INTL Uninterruptible Power System	J2R04A
G2 Models	**HP R/T3000 G2 UPS Models**	
	HP R/T3000 G2 2U L530 Low Voltage NA/JP Uninterruptible Power System	AF466A
	HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467A
	HP R/T3000 G2 2U Detachable Cord High Voltage INTL Uninterruptible Power System	AF468A

HP Rack/Tower UPS specifications

R/T3000 Tower UPS configuration with optional Extended Runtime Module

1. Optional Extended Runtime Module
2. R/T3000 in Tower UPS configuration

3. Tower UPS floor stands

HP R/T2200 G2 UPS Models

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
Low Voltage (NA/JPN)	100, 110, 120, 127	2880/2700	L5-30P, 3m cord	LS1[2]: 2x NEMA 5-20 outlets, 1 x NEMA L5-30R LS2[3]: 2x NEMA 5-20 outlets
High Voltage (NA/JPN	200/208[1], Actual output voltage 204VAC	3300/3000	L6-20P, 3m cord	LS1[2]: 3x IEC C13, 1x IEC C-19, 1x NEMA L6-20R LS2[3]: 3x IEC C13, 1x IEC C-19 **NOTE:** Includes one PDU Extension Bar. Each Extension Bar has 7x C13 outlets and plugs into a C-19 on the rear of the UPS.
(International)	220, 230, 240	3300/3000	Detachable IEC C-20 inlet plug	LS1[2]: 3x IEC C13, 1x IEC C-19 LS2[3]: 3x IEC C13, 1x IEC C-19 **NOTE:** Includes one PDU Extension Bar. Each Extension Bar has 7x C13 outlets and plugs into a C-19 on the rear of the UPS.

[1] Factory default setting.
[2] LS1 = Load Segment 1
[3] LS2 = Load Segment 2

Kit Contents	• HP UPS R/T3000 G2
	• Power Products Documentation CD
	• Depth adjustable fixed rack mounting rails, mounting brackets, cord retention clips
	• Rack to Tower Conversion Kit and floor stand
	• Communications cables

R/T3000 G4 UPS Models

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection

HP Rack/Tower UPS specifications

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
J2R00A	TBD	TBD	TBD	TBD
J2R01A Low Voltage (NA/JPN)	100, 110, 120, 127	2880/2700	L5-30P, 3m cord	LS1[2]: 2x NEMA 5-20 outlets, 1 x NEMA L5-30R LS2[3]: 2x NEMA 5-20 outlets
J2R02A High Voltage (NA/JPN)	200/208[1], Actual output voltage 204VAC	3300/3000	L6-20P, 3m cord	LS1[2]: 3x IEC C13, 1x IEC C-19, 1x NEMA L6-20R LS2[3]: 3x IEC C13, 1x IEC C-19 **NOTE:** Includes one PDU Extension Bar. Each Extension Bar has 7x C13 outlets and plugs into a C-19 on the rear of the UPS.
J2R04A High Voltage (International)	220, 230, 240	3300/3000	Detachable IEC C-20 inlet plug	LS1[2]: 3x IEC C13, 1x IEC C-19 LS2[3]: 3x IEC C13, 1x IEC C-19 **NOTE:** Includes one PDU Extension Bar. Each Extension Bar has 7x C13 outlets and plugs into a C-19 on the rear of the UPS.

[1] Factory default setting.
[2] LS1 = Load Segment 1
[3] LS2 = Load Segment 2

Kit Contents
- HP UPS R/T3000 G2
- Power Products Documentation CD
- Depth adjustable fixed rack mounting rails, mounting brackets, cord retention clips
- Rack to Tower Conversion Kit and floor stand
- Communications cables

R/T3000 G2 UPS Models

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
AF466A Low Voltage (NA/JPN)	100, 110, 120, 127	2880/2700	L5-30P, 3m cord	LS1[2]: 2x NEMA 5-20 outlets, 1 x NEMA L5-30R LS2[3]: 2x NEMA 5-20 outlets
AF467A High Voltage (NA/JPN	200/208[1], Actual output voltage 204VAC	3300/3000	L6-20P, 3m cord	LS1[2]: 3x IEC C13, 1x IEC C-19, 1x NEMA L6-20R LS2[3]: 3x IEC C13, 1x IEC C-19 **NOTE:** Includes one PDU Extension Bar. Each Extension Bar has 7x C13 outlets and plugs into a C-19 on the rear of the UPS.
AF468A (International)	220, 230, 240	3300/3000	Detachable IEC C-20 inlet plug	LS1[2]: 3x IEC C13, 1x IEC C-19 LS2[3]: 3x IEC C13, 1x IEC C-19 **NOTE:** Includes one PDU Extension Bar. Each Extension Bar has 7x C13 outlets and plugs into a C-19 on the rear of the UPS.

[1] Factory default setting.
[2] LS1 = Load Segment 1
[3] LS2 = Load Segment 2

Kit Contents
- HP UPS R/T3000 G2
- Power Products Documentation CD
- Depth adjustable fixed rack mounting rails, mounting brackets, cord retention clips
- Rack to Tower Conversion Kit and floor stand
- Communications cables

HP Rack/Tower UPS specifications

Estimated Backup Times Chart

		Load (Percent*)	Load (Watts)	Estimates battery runtime (Minutes)	With One Extended Runtime Module (Minutes)	With Two Extended Runtime Modules (Minutes)
G4 Models	R/T2200 G4 NA/JPN model	20%	540W	45	142	256
		50%	1350W	15	55	99
		80%	2160W	7	34	60
		100%	2700W	5	26	47
	R/T3000 G4 Low Voltage NA/JPN model	20%	600W	40	125	225
		50%	1500W	12	50	99
		80%	2400W	6	30	60
		100%	3000W	4	24	47
	R/T3000 G4 High Voltage NA/JPN and Int'l model	20%	540W	45	142	256
		50%	1350W	15	55	99
		80%	2160W	7	34	60
		100%	2700W	5	26	47
G2 Models	R/T3000 G2 Low Voltage NA/JPN model (2880VA / 2700 Watt)	20%	540W	45	142	256
		50%	1350W	15	55	99
		80%	2160W	7	34	60
		100%	2700W	5	26	47

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

Specifications
R/T2200 G4 Models

Unit Dimensions (HxWxD)		3.5 x 17.5 x 25 inches / 8.9 x 44.5 x 63.5 cm
Shipping Dimensions		11.25 x 23.48 x 36.25 inches / 28.57 x 59.64 x 92.07 cm
Unit Weight		82 lbs/37 kg
Shipping Weight		89 lbs UPS and 127 lbs ERM / 40.37 kg & 57.6 kg
BTU Break Down	**BTU On Line**	540 BT/hr
	BTU On Battery	1138 BTU/hr
	Battery Type	12 V, 5 AH, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries with a 3-5 year service life at 25C (77F).
Electrical Input	**Voltage Range**	See Model Matrix for nominal and user selectable voltage settings
	Frequency	50/60 Hz
	Online Efficiency	95%
	REPO	Remote Emergency Power-Off disables AC power to load
	Online Regulation	-10% to +6% of nominal voltage
Electrical Output	**On battery Regulation**	±5% of nominal voltage
	Voltage Wave Form	Sine wave
	Connections	See Model Selection Matrix; divided into 2 Load Segments
	Output Protection	Re-settable circuit protectors

HP Rack/Tower UPS specifications

Battery	**Type**	Maintenance-free, sealed, valve-regulated lead acid (VRLA)
	Extended Batteries	Up to two ERMs supported
	Backup Time	See Backup Times Chart
	Recharge Time	<3 hours to 80% usable capacity; <48 hours for complete recharge
	Serial Ports	Standard DB-9 and USB ports (ships with communication cables)
Communications	**Option Slot**	One
	Option Cards	HP UPS Network Module
	LED Indicators	LED and switch membrane integrated into the front panel
	Software	HP Power Protector software available
Environmental and Safety	**Operating Temperature**	10°C to 40°C (50°F to 104°F); UL-tested at 25°C (77°F)
	Non-operating Temperature	-20°C to 50°C (-4°F to 122°F)
	Operating Humidity	20% to 80% (non-condensing)
	Storage Humidity	5% to 95%
	Operating Altitude	Up to 6,562 ft (2000 m) above sea level
	Transit Altitude	49,212 ft (15,000 m) above sea level
	Audible Noise	<45db in normal operation. <50bd on battery operation
	Safety Markings	NA/JPN: UL, cUL Int'l: GS, CE, GOST
	Safety Certifications	UL1778, UL60950-1; CSA22.2 No.107.3-05,; EN60950-1 IEC62040-1-1
	REPO Port	Meets NEC code 645-10 and 645-11and UL requirements
Unit Dimensions (HxWxD)	3.5 x 17.5 x 25 inches / 8.9 x 44.5 x 63.5 cm	
Shipping Dimensions	11.25 x 23.48 x 36.25 inches / 28.57 x 59.64 x 92.07 cm	
Unit Weight	82 lbs/37 kg	
Shipping Weight	89 lbs UPS and 127 lbs ERM / 40.37 kg & 57.6 kg	
BTU Break Down	**BTU On Line**	540 BT/hr
	BTU On Battery	1138 BTU/hr
	Battery Type	12 V, 5 AH, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries with a 3-5 year service life at 25C (77F).
Electrical Input	**Voltage Range**	See Model Matrix for nominal and user selectable voltage settings
	Frequency	50/60 Hz
	Online Efficiency	95%
	REPO	Remote Emergency Power-Off disables AC power to load
	Online Regulation	-10% to +6% of nominal voltage
Electrical Output	**On battery Regulation**	±5% of nominal voltage
	Voltage Wave Form	Sine wave
	Connections	See Model Selection Matrix; divided into 2 Load Segments
	Output Protection	Re-settable circuit protectors
	Type	Maintenance-free, sealed, valve-regulated lead acid (VRLA)
Battery	**Extended Batteries**	Up to two ERMs supported
	Backup Time	See Backup Times Chart
	Recharge Time	<3 hours to 80% usable capacity; <48 hours for complete recharge
	Serial Ports	Standard DB-9 and USB ports (ships with communication cables)

HP Rack/Tower UPS specifications

Communications	**Option Slot**	One
	Option Cards	HP UPS Network Module
	LED Indicators	LED and switch membrane integrated into the front panel
	Software	HP Power Protector software available
Environmental and Safety	**Operating Temperature**	10°C to 40°C (50°F to 104°F); UL-tested at 25°C (77°F)
	Non-operating Temperature	-20°C to 50°C (-4°F to 122°F)
	Operating Humidity	20% to 80% (non-condensing)
	Storage Humidity	5% to 95%
	Operating Altitude	Up to 6,562 ft (2000 m) above sea level
	Transit Altitude	49,212 ft (15,000 m) above sea level
	Audible Noise	<45db in normal operation. <50bd on battery operation
	Safety Markings	NA/JPN: UL, cUL Int'l: GS, CE, GOST
	Safety Certifications	UL1778, UL60950-1; CSA22.2 No.107.3-05,; EN60950-1 IEC62040-1-1
	REPO Port	Meets NEC code 645-10 and 645-11and UL requirements

R/T3000 G4 Models

Unit Dimensions (HxWxD)	3.5 x 17.5 x 25 inches / 8.9 x 44.5 x 63.5 cm	
Shipping Dimensions	11.25 x 23.48 x 36.25 inches / 28.57 x 59.64 x 92.07 cm	
Unit Weight	82 lbs/37 kg	
Shipping Weight	89 lbs UPS and 127 lbs ERM / 40.37 kg & 57.6 kg	
BTU Break Down	**BTU On Line**	540 BT/hr
	BTU On Battery	1138 BTU/hr
	Battery Type	12 V, 5 AH, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries with a 3-5 year service life at 25C (77F).
Electrical Input	**Voltage Range**	See Model Matrix for nominal and user selectable voltage settings
	Frequency	50/60 Hz
	Online Efficiency	95%
	REPO	Remote Emergency Power-Off disables AC power to load
	Online Regulation	-10% to +6% of nominal voltage
Electrical Output	**On battery Regulation**	±5% of nominal voltage
	Voltage Wave Form	Sine wave
	Connections	See Model Selection Matrix; divided into 2 Load Segments
	Output Protection	Re-settable circuit protectors
	Type	Maintenance-free, sealed, valve-regulated lead acid (VRLA)
Battery	**Extended Batteries**	Up to two ERMs supported
	Backup Time	See Backup Times Chart
	Recharge Time	<3 hours to 80% usable capacity; <48 hours for complete recharge
	Serial Ports	Standard DB-9 and USB ports (ships with communication cables)
Communications	**Option Slot**	One
	Option Cards	HP UPS Network Module
	LED Indicators	LED and switch membrane integrated into the front panel
	Software	HP Power Protector software available

HP Rack/Tower UPS specifications

Environmental and Safety	Operating Temperature	10°C to 40°C (50°F to 104°F); UL-tested at 25°C (77°F)
	Non-operating Temperature	-20°C to 50°C (-4°F to 122°F)
	Operating Humidity	20% to 80% (non-condensing)
	Storage Humidity	5% to 95%
	Operating Altitude	Up to 6,562 ft (2000 m) above sea level
	Transit Altitude	49,212 ft (15,000 m) above sea level
	Audible Noise	<45db in normal operation. <50bd on battery operation
	Safety Markings	NA/JPN: UL, cUL Int'l: GS, CE, GOST
	Safety Certifications	UL1778, UL60950-1; CSA22.2 No.107.3-05,; EN60950-1 IEC62040-1-1
	REPO Port	Meets NEC code 645-10 and 645-11and UL requirements

HP Rack Models

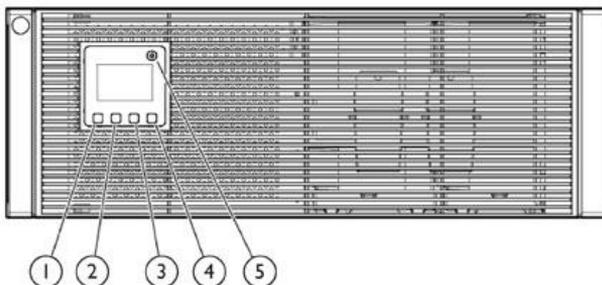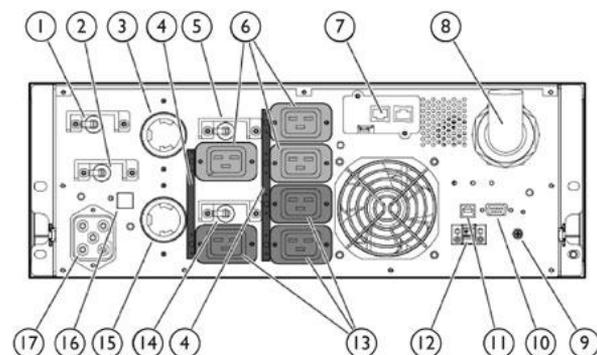| G4 Models	**R1500 G4 UPS Models**	
	HP R1500 G4 NA Uninterruptible Power System	J2Q99A
	HP R1500 G4 JP/TWN Uninterruptible Power System	J2R05A
	HP R1500 G4 INTL Uninterruptible Power System	J2R03A
G3 Models	**R1.5kVA G3 UPS Models**	
	HP R1.5kVA G3 1U NA Uninterruptible Power System	AF469A
	HP R1.5kVA G3 1U JP/TW Uninterruptible Power System	AF470A
	HP R1.5kVA G3 1U INTL Uninterruptible Power System	AF471A
3U Models	**R5000 3U UPS Models**	
	HP R5KVA 3U L630 High Voltage Uninterruptible Power System	AF460A
4U Models	**R7000 4U UPS Models**	
	HP R7KVA 4U 50A High Voltage Uninterruptible Power System	AF462A

R5000 and R7000 UPS

R7000 Front View:
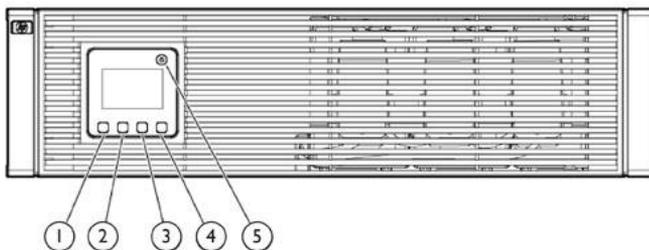
1. Escape Button

R7000 Rear View:

1. Load segment 1 circuit breaker (controls L6-30R receptacle Item 3)
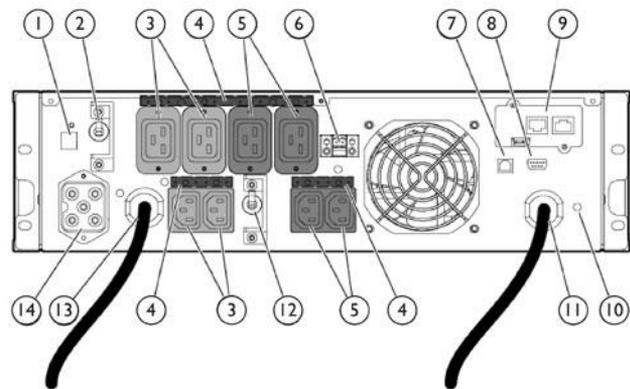
HP Rack Model specifications

2. Scroll up button

3. Scroll down button

4. Enter/Select button

5. Power button

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

6. 3 x IEC C19 receptacles on load segment 1

7. HP 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)

R5000 Front View:

1. Escape Button
2. Scroll up button

3. Scroll down button

4. Enter/Select button

5. Power button

R5000 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

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. HP UPS Network Module (included)

10. Ground bonding screw

HP Rack Model specifications

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

HP Rack UPS specifications

Model Matrix
HP R1500 G4 UPS Models

Part Number	
J2Q99A	
J2R03A	
J2R05A	

NOTE: Alternative input voltages are selectable on each model via the rear panel dip switch.

Kit Contents	• HP R1500 G4 UPS • Power Products Documentation CD • Depth adjustable fixed rack mounting rails • Serial communications cable (1.83 meters) • Additional IEC to IEC jumper cords, and detachable country specific input cord with the high voltage INTL model • USB communications cable (1.8 meters)

HP R1.5kVA G3 UPS Models

Part Number	Operating Voltage Settings	Power Out (VA/Watts)	Input Connection	Output Connection
Low-Voltage Models				
AF469A	120	1440/1000	NEMA 5-15P	(4) NEMA 5-15R
AF470A	100	1200/900	NEMA 5-15P	(4) NEMA 5-15R
	110	1320/1000	NEMA 5-15P	(4) NEMA 5-15R
High Voltage Model				
AF471A	230	1500/1000	IEC-320 C14	(4) IEC 320-C13

NOTE: Alternative input voltages are selectable on each model via the rear panel dip switch.

Kit Contents	• HP R1.5kVA G3 UPS • Power Products Documentation CD • Depth adjustable fixed rack mounting rails • Serial communications cable (1.83 meters) • Additional IEC to IEC jumper cords, and detachable country specific input cord with the high voltage INTL model • USB communications cable (1.8 meters)

QuickSpecs

HP Rack UPS specifications

Estimated Backup Times

Rack UPS Models		Load (Percent*)	Load (Watts)	Estimates Battery Runtime at 100% Battery Charge (Minutes)	With One Extended Runtime Module (Minutes)	With Four Extended Runtime Modules (Minutes)
G4 Models	**R1500 G4 Models**	20%	200W	58	--	--
		50%	500W	17	--	--
		80%	800W	8	--	--
		100%	1000W	5	--	--
G3 Models	**R1.5kVA G3 Models**	20%	200W	58	--	--
		50%	500W	17	--	--
		80%	800W	8	--	--
		100%	1000W	5	--	--
3U Models	**R5000 3U Model**	20%	540W	44	143	436
		50%	1350W	16	44	145
		80%	2160W	7	25	83
		100%	2700W	5.7	20	64
4U Models	**R7000 4U Model**	20%	540W	52	98	301
		50%	1350W	13	33	103
		80%	2160W	6	18	57
		100%	2700W	4	13	39

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

HP Rack UPS specifications

Specifications

R5000 3U UPS

Unit Dimensions (HxWxD)	5 5 in (12.7 cm) x 17.2 in (43.7 cm) x 29.3 in (74.4 cm)	
Shipping Dimensions	14.4 in (36.58 cm) x 23.6 in (60 cm) x 38.78 in (98.5 cm)	
Unit Weight	126 lbs (57kg)	
Shipping Weight	192 lbs (87 kg)	
BTU Break Down	**BTU On Line**	478 BT/hr
	BTU On Battery	1041 BTU/hr
	Battery Type	12V 27W
Electrical Input	**Voltage Range**	160-253V at 200/208V nominal; 176-253V at 220, 230, and 240V nominal
	Frequency	50/60 Hz
	Online Efficiency	94%
	REPO	Remote Emergency Power-Off disables AC power to load
	Online Regulation	-10% to +6% of nominal voltage
Electrical Output	**On battery Regulation**	±5% of nominal voltage
	Voltage Wave Form	Sine wave
	Connections	See Model Selection Matrix; divided into 2 Load Segments
	Output Protection	Re-settable circuit protectors
	Type	Maintenance-free, sealed, valve-regulated lead acid (VRLA)
Battery	**Extended Batteries**	Up to four ERMs supported
	Backup Time	See Backup Times Chart
	Recharge Time	<3 hours to 80% usable capacity; <48 hours for complete recharge 216V
	Battery String Voltage	12V 27W
	Battery Type	18
	Battery Quantity	
Communications	**LED Indicators**	LED and switch membrane integrated into the front panel with four-button control (three buttons for UPS power control and one button under the front bezel for configuration).
	Operating Temperature	50° to 104° F (10° to 40° C)
Environmental and Safety	**Storage Temperature**	32° to 77° F (0° to 25° C)
	Transit Temperature	-13° to 131° F (-25° to 55° C)

R7000 4U UPS Model

Unit Dimensions (HxWxD)	6.75 in (17.1 cm) x 17.2 in (43.7 cm) x 28.9 in (73.4 cm)	
Unit Weight	165 lbs/75 kg	
Shipping Weight	210 lbs/100 kg	
BTU Break Down	**BTU On Line**	581 BT/hr
	BTU On Battery	1501 BTU/hr
	Battery Type	12V 45W
Electrical Input	**Voltage Range**	160-253V at 200/208V nominal
	Frequency	50/60 Hz
	Online Efficiency	95%

HP Rack UPS specifications

	REPO	Remote Emergency Power-Off disables AC power to load
	Online Regulation	-10% to +6% of nominal voltage
Electrical Output	On battery Regulation	±5% of nominal voltage
	Voltage Wave Form	Sine wave
	Connections	See Model Selection Matrix; divided into 2 Load Segments
	Output Protection	Re-settable circuit protectors
	Type	Maintenance-free, sealed, valve-regulated lead acid (VRLA)
Battery	Extended Batteries	Up to four ERMs supported
	Backup Time	See Backup Times Chart
	Recharge Time	<3 hours to 80% usable capacity; <48 hours for complete recharge 216V
	Battery String Voltage	12V 45W
	Battery Type	18
	Battery Quantity	
Maximum wattage based on voltage input	AF426A	200-240V: 7200VA/7200W
Communications	Serial Ports	Standard DB-9 and USB ports (ships with communication cables)
	Option Cards	HP UPS Network Module
	LED Indicators	LED and switch membrane integrated into the front panel with four-button control (three buttons for UPS power control and one button under the front bezel for configuration).
Environmental and Safety	Operating Temperature	50° to 104° F (10° to 40° C)
	Storage Temperature	32° to 77° F (0° to 25° C)
	Transit Temperature	-13° to 131° F (-25° to 55° C)
	Operating Humidity	20% to 80% (non-condensing)
	Storage Humidity	5% to 95%
	Operating Altitude	Up to 6,562 ft (2000 m) above sea level
	Transit Altitude	49,212 ft (15,000 m) above sea level
	Audible Noise	<46db in normal operation(at 1m from surface of unit)
	Safety Markings	NA/JPN: UL, cUL Int'l: GS, CE, GOST
	Safety Certifications	UL1778, UL60950-1; CSA22.2 No.107.3, No.60-1950; EN50091-1-1; EN60950-1 IEC62040-1-1
	EMC Markings	NA/JPN: FCC, VCCI, ICES, CISPR Int'l: BSMI, C-Tick, CISPR
	Emissions	FCC CFR 47, Part 15 Class A, EN50091-2
	Immunity	IEC 801-2, IEC 801-3, IEC 801-4, IEC 801-5
	REPO Port	Meets NEC code 645—11 intent and UL requirements

*The R1500 G3 UPS regulates the output voltage at -10% / +6% of the selected nominal voltage. The regulation is accomplished by bucking or boosting the input voltage.

The voltage regulation operation is governed the unit's input voltage spec of +/-20%. The unit will regulate at -10% / +6% while within the limits set by the input spec. The unit will go to battery operation upon exceeding the limits set by the input spec.

The buck and boost voltage regulation operation, or AVR (Automatic Voltage Regulation), is accomplished by adjusting output transformer tap selections via electromechanical relays.

HP Rack UPS specifications

The transformer tap selection is controlled via digital transition voltage set point values programmed in the unit's firmware. These programmed values are without tolerance.

The unit will monitor the input voltage and accept a range of +/-4% of the selected nominal voltage as the target voltage to regulate at -10% / +6%. For example, a unit configured to 120V nominal voltage will regulate at -10% / +6% for any voltage measured between 115.2V and 124.8V. The digital transition voltage set point values will adjust accordingly to regulate to -10% / +6% of the measured input voltage.

Transition set point voltages are subject to a hardware tolerances of +/-2% of the set point value.

HP UPS Options

Optional UPS Network Module	The HP UPS Network Module enables you to monitor and manage power environments through comprehensive control of HP UPSs. The HP 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 HP 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 HP 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.

NOTE: For more information on the UPS Network Module please see: http://www.hp.com/go/hpunm. |
| **Extended Runtime Module (ERM)** | The UPS R/T3000 G2 supports up to two Extended Runtime Modules. Each module is a 2U (3.5 inches), rack mountable battery module that extends your overall battery runtime.

HP R5KVA and R7KVA 3U Extended Runtime Module
NOTE: #0D1 will appear after the part number on the sales order if HP factory integration is indicated. AF464A |
Rack to Tower Conversion Kit	The included HP R/T3000 G2 UPS Tower Conversion Kit allows you to use the powerful R/T3000 G2 in a tower configuration for your most powerful tower Servers or Blade Enclosures. The kit contains stabilizing feet and appropriate hardware for a fast, easy form factor change. Each Tower Conversion Kit can support one UPS and up to two Extended Runtime Modules.
Extended Runtime Modules	HP R/T2200 G4 Extended Runtime Module J2R09A HP R/T3000 G4 Extended Runtime Module J2R10A HP R/T3000 2U Extended Runtime Module AF455A
UPS Management	HP UPS Network Module Mini-slot Kit AF465A

HP UPS warranty and CarePack information

HP Care Pack	HP Install Universal Power Supply 3KVA to Below 6KVA Service	U4693E
HP Care Pack	HP Install Universal Power Supply Less Than 3KVA Service	U4690E
Warranty	When you need it, use outstanding HP support services for your whole data center environment. With HP Care Pack Services, have the security of knowing that your HP UPS will be covered at the same service level and coverage period as your HP server. HP UPSs are backed by a 3-year limited warranty, with the first year including parts and labor. Also, standard on all HP UPS units is our exclusive 30-day Battery Pre-Failure Warranty, which ensures that when customers receive notification from HP 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).

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	**HP Technology Services** HP 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 HP Care Pack Services** When you buy HP Options, it's also a good time to think about what level of service you may need. HP Care Pack services provide total care and support expertise with committed response choices designed to meet your IT and business need.

Recommended HP Care Pack Services

Recommended Services	**3-Year HP 24x7 4 hour Response, Hardware Support Onsite Service** Provides you with rapid remote support and if required an HP 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. **HP ProLiant Server Hardware Installation** Provides for the basic hardware installation of HP branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner
Related Services	**3-Year HP 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 HP Global Solution Center **HP Proactive Select Service** Provides a flexible way to purchase HP 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.
Insight Remote Support	Delivers secure remote monitoring and support for HP servers and storage, 24x7 at no additional cost. Available as part of HP Warranty, Care Pack and Service Contract offers.
Parts and materials	HP will provide HP-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.

HP UPS warranty and CarePack information

Coverage	For ProLiant servers and storage systems, this service covers 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 the UPS battery is not included; standard warranty terms and conditions apply. The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by HP 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 HP 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 HP ESSN Options, please contact your HP sales representative or HP Authorized Channel Partner. Or visit: http://www.hp.com/services/proliant or http://www.hp.com/services/bladesystem

HP Care Pack Installation

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, resellers or visit our worldwide website at: http://www.hp.com/hps/carepack
NOTE: For more complete information on HP Services offerings, customers and resellers, please visit is 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
NOTE: For additional information on Server Services, Rack and Power Options, please visit: http://h20219.www2.hp.com/services/cache/111072-0-0-225-121.html
NOTE: The information contained herein is subject to change without notice and is provided "as is" without warranty of any kind.
NOTE: The warranties for HP products and services are set forth in the express limited warranty statements accompanying such products and services.

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. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment

HP UPS warranty and CarePack information

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

Date	Version History	Action	Description of Change:
09-Feb-2015	From Version 6 to 7	Added	Added G4 models.
		Changed	Changed name to HP Line Interactive Single Phase Uninterruptible Power Systems (UPS). Consolidated Tower, Rack/Tower, and Rack Models into one single QuickSpecs.
08-Feb-2013	From Version 5 to 6	Changed	Changed G3 to G2 in the Intelligent Manageability section.
24-Aug-2012	From Version 4 to 5	Changed	Change made in Models section.
15-Aug-2012	From Version 3 to 4	Removed	Removed inactive links.
09-Jan-2012	From Version 2 to 3	Changed	Revised an inactive link in the Compatibility section of Standard Features.
20-Jul-2011	From Version 1 to 2	Changed	Descriptions for the Models section were updated.