

### Overview and Models

#### 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 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 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 Care Pack 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.

#### **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 |

#### **Rack/Tower UPS Models**

##### **HPE R/T2200 G4 UPS Models**

|   |        |
|---|--------|
| HPE R/T2200 G4 NA/JP Uninterruptible Power System | J2R00A |
|---|--------|

##### **HPE R/T3000 G4 UPS Models**

|  |        |
|--|--------|
| HPE R/T3000 G4 Low Voltage NA/JP Uninterruptible Power System  | J2R01A |
| HPE R/T3000 G4 High Voltage NA/JP Uninterruptible Power System | J2R02A |
| HPE R/T3000 G4 High Voltage INTL Uninterruptible Power System  | J2R04A |

#### **Rack UPS Models**

##### **R1500 G4 Models**

|  |        |
|--|--------|
| HPE R1500 G4 NA Uninterruptible Power System     | J2Q99A |
| HPE R1500 G4 JP/TWN Uninterruptible Power System | J2R05A |
| HPE R1500 G4 INTL Uninterruptible Power System   | J2R03A |

##### **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 |

## Overview and Models

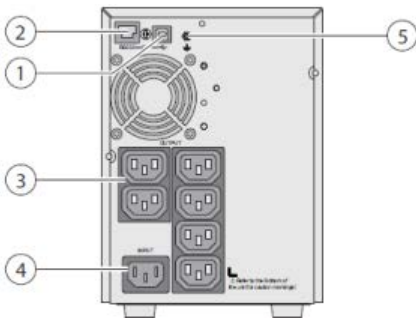
### R7000 UPS Models

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

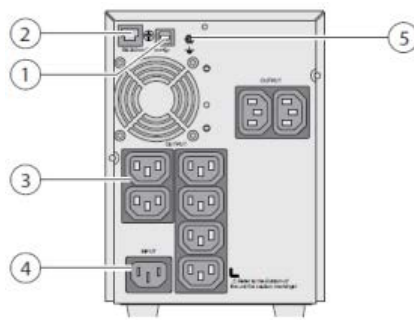
AF462A  
AF463A

## Tower UPS Features

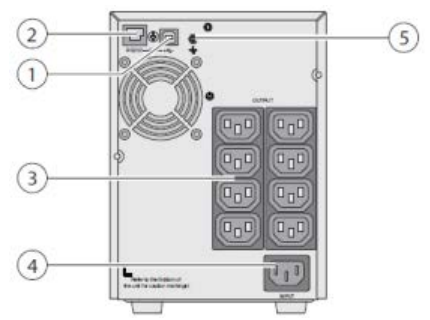
### Tower UPS Rear Panel



**HPE T750 G4 UPS INTL**



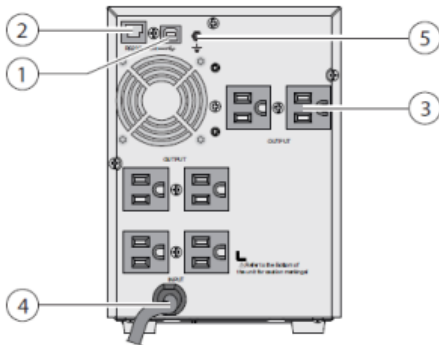
**HPE T1000 G4 UPS INTL**



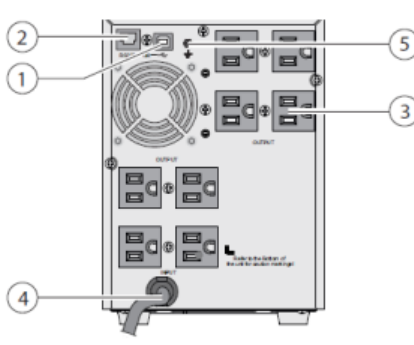
**HPE T1500 G4 UPS INTL**

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

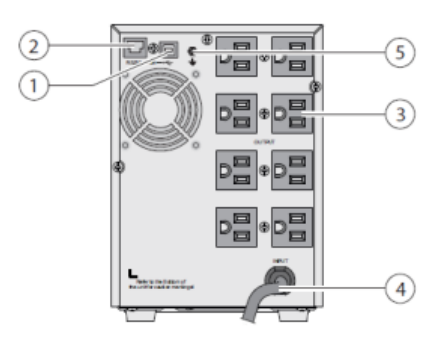
4. Socket for Connection to AC Power Source
5. Ground Screw



**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 Models Provide Power Protection and Management Optimized for Smaller IT Environments

### Key Features

- Manageability through USB and Serial ports
- Ease of configuration via enhanced front panel display.
- Intelligent manageability with bundled Power Manager Software.

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

## Tower UPS Specifications

### Towers G4 UPS Specifications

|                                 |  |  |
|---------------------------------|--|--|
| <b>Battery Type</b>             | 12 V, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries with a 3-5 year service life at 25C (77F). |  |
| <b>Electrical Input</b>         | <b>Voltage Range</b>   | ± 20% for nominal voltages of 100, 110, 120, 220, 230, and 240VAC. <b>NOTE: Nominal voltages to coincide with standard power ranges.</b> |
|                                 | <b>Frequency</b>   | 50/60 Hz   |
|                                 | <b>Online Efficiency</b>   | >94%   |
|                                 | <b>REPO</b>  | N/A  |
|                                 | <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>Extended Batteries</b>  | N/A  |
|                                 | <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 (ships with communication cables)  |
|                                 | <b>Option Slot</b>   | N/A  |
|                                 | <b>Option Cards</b>  | N/A  |
|                                 | <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 55° F (-26° to 13° 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 GS,C-tick,EAC,KC  |
|                                 | <b>Safety Certifications</b>   | UL1778, UL60950-1; CSA22.2 No.107.3-05; EN609501-, EN62040-1 IEC62040-1-1, IEC 60950-1   |
|                                 | <b>REPO Port</b>   | N/A  |

### HPE T750 G4 UPS Specifications

See model matrix for other specifications.

|                                 |                                   |  |
|---------------------------------|-----------------------------------|--|
| <b>T750 G4, NA/JP</b><br>J2P85A | <b>Load Segments</b>              | 1  |
|                                 | <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) |

**Tower UPS Specifications**

|                                |                        |                   |
|--------------------------------|------------------------|-------------------|
| <b>T750 G4, INTL</b><br>J2P88A | <b>Unit Weight</b>     | 23.6 lbs (10.7kg) |
|                                | <b>Shipping Weight</b> | 26.4 lbs (12 kg)  |

**HPE T1000 G4 UPS Specifications**

|                                  |                                   |   |
|----------------------------------|-----------------------------------|---|
| <b>T1000 G4, NA/JP</b><br>J2P86A | <b>Load Segments</b>              | 1   |
| <b>T1000 G4, INTL</b><br>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)                           |
|                                  | <b>Shipping Weight</b>            | 28.7 lbs (13 kg)                            |

**HPE T1500 G4 UPS Specifications**

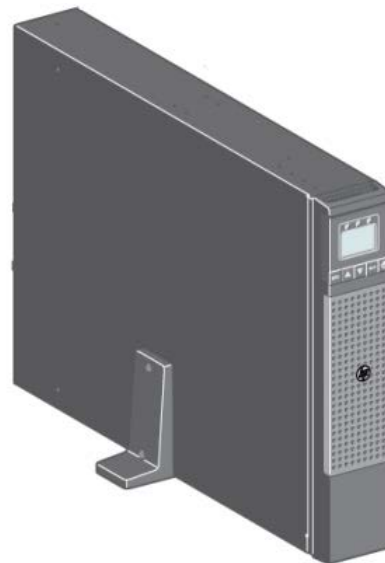
|                                  |                                   |  |
|----------------------------------|-----------------------------------|--|
| <b>T1500 G4, NA/JP</b><br>J2P87A | <b>Load Segments</b>              | 1  |
| <b>T1500 G4, INTL</b><br>J2P90A  | <b>Unit Dimensions (WxDxH)</b>    | 5.9 x 16.1 x 8.3inch (150 x 410 x 210 mm)  |
|                                  | <b>Shipping Dimensions(LxWxH)</b> | 19.6 x 9.4 x 12.1 inch (498 x238 x 308 mm) |
|                                  | <b>Unit Weight</b>                | 34.4 lbs (15.6 kg)                         |
|                                  | <b>Shipping Weight</b>            | 37.3 lbs (16.9 kg)                         |

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

**HPE R/T2200 and R/T3000 Tower Uninterruptible Power System (UPS)**



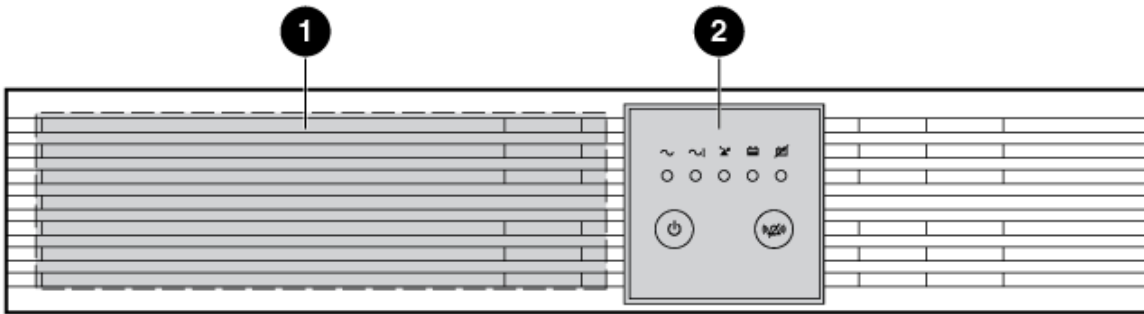
R/T3000 in Rack UPS configuration



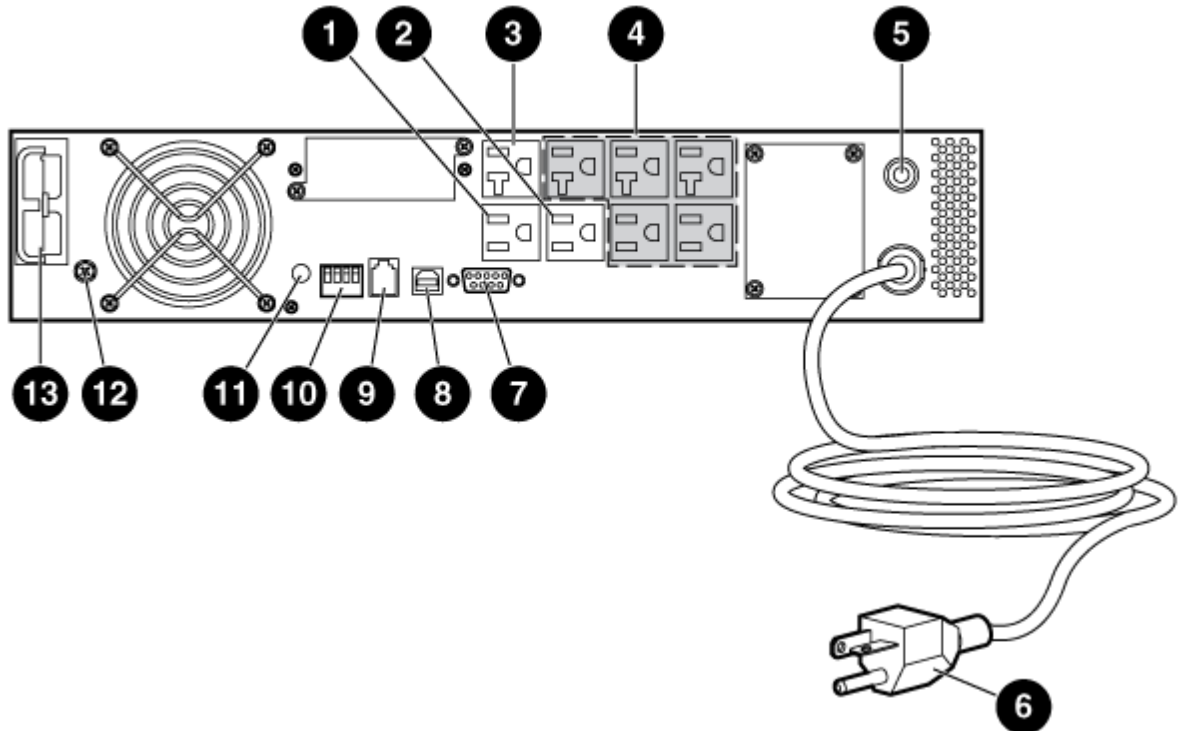
R/T3000 with Tower UPS floor stands

**HPE R/T2200 Uninterruptible Power System (UPS)**

HPE Rack/Tower UPS specifications



1 Battery compartment  
**Front panel**  
 2 Control buttons and LED display



NA/JPN/TWN rear panel

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1 Load segment 1 (one NEMA 5-15 output receptacle for surge and battery backup protection)</li> <li>2 Load segment 2 (one NEMA 5-15 output receptacle for surge and battery backup protection)</li> <li>3 Load segment 3 (one NEMA 5-15 output receptacle for surge and battery backup protection)</li> <li>4 Load segment 4 (one NEMA 5-15 output receptacle for surge and battery backup protection)</li> <li>5 Input circuit breaker</li> <li>6 Input power cord with NEMA 5-20 plug</li> <li>7 Serial communications port</li> </ul> | <ul style="list-style-type: none"> <li>8 USB communications port</li> <li>9 REPO port</li> <li>10 Voltage configuration and charge rate DIP switches</li> <li>11 Power sensitivity adjustment dial</li> <li>12 Ground bonding screw</li> <li>13 ERM connector</li> </ul> |
|---|--|

HPE R/T3000 Uninterruptible Power System (UPS)

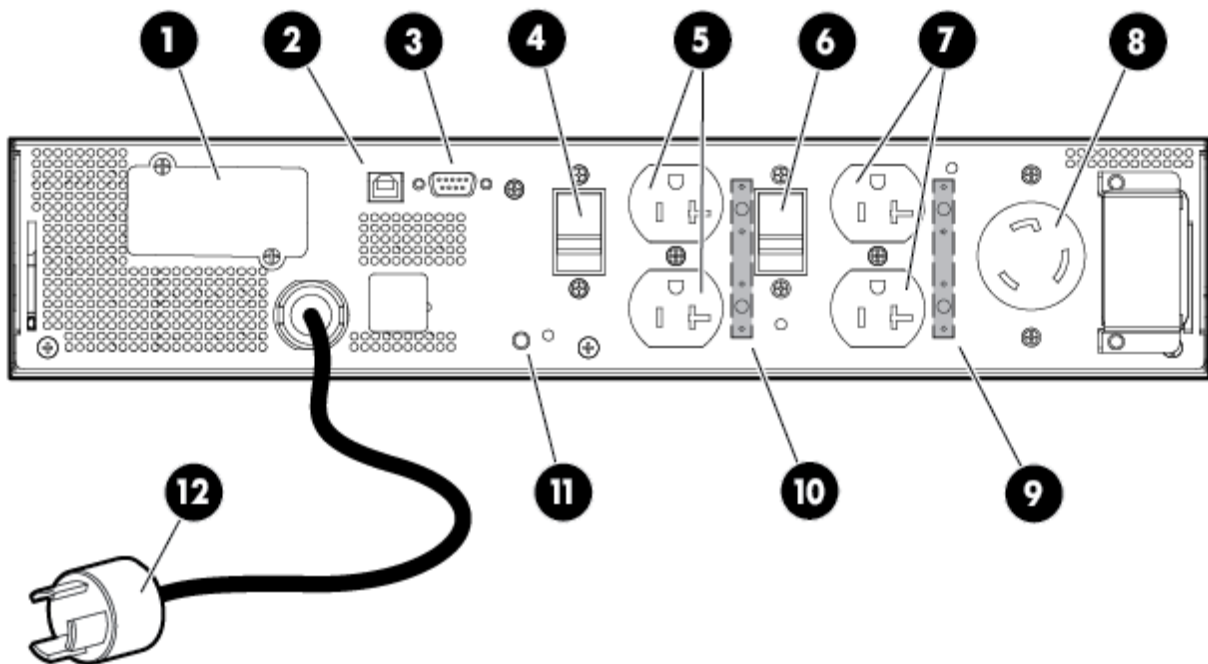
HPE Rack/Tower UPS specifications



Front Panel

1 Battery compartment

2 Control buttons and LED display



NA/JPN rear panel

- 1 UPS option card
- 2 USB communications port
- 3 Serial communications port
- 4 Load segment circuit breaker
- 5 Load segment 1 (two NEMA 5-20R T-slot receptacles)
- 6 Load segment circuit breaker

- 7 Load segment 2 (two NEMA 5-20R T-slot receptacles)
- 8 PDU output (NEMA L5-30R) receptacle (load segment 1)
- 9 Cord retention clip attachment location
- 10 Cord retention clip attachment location
- 11 Ground bonding screw
- 12 Power cord with L5-30 plug

HPE R/T2200 and R/T3000 Tower Uninterruptible Power System (UPS)

Flexible Rack/Tower Models Deliver Cost-Effective Power Protection

Key features

- Convertible design can be used as a 2U rack mountable UPS or as a standalone tower UPS
- Power density up to 3000VA / 2700 Watts (200-240V models)
- Easy configuration through enhanced front panel display
- More efficient voltage regulation using digital signal processing technology
- Enhanced system flexibility with two independently controlled load segments

## HPE Rack/Tower UPS specifications

- Support for Remote Emergency Power Off (REPO) circuitry
- Easy serviceability through modular design

### Specifications

#### R/T2200 G4 UPS (NA/JPN only)

|                                   |   |   |
|-----------------------------------|---|---|
| <b>Battery Type</b>               | 12 V, 34W, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries with a 3-5 year service life at 25C (77F). |   |
| <b>Electrical Input</b>           | <b>Voltage Range</b>  | See Model Matrix for nominal and user selectable voltage settings; Battery string voltage 48Vdc       |
|                                   | <b>Frequency</b>  | 50/60 Hz  |
|                                   | <b>Online Efficiency</b>  | 94%   |
|                                   | <b>REPO</b>   | Remote Emergency Power-Off disables AC power to load  |
| <b>Electrical Output</b>          | <b>Online Regulation</b>  | -10% to +6% of nominal voltage  |
|                                   | <b>On battery Regulation</b>  | ±5% of nominal voltage  |
|                                   | <b>Voltage Wave Form</b>  | Sine wave   |
|                                   | <b>Connections</b>  | See Model Selection Matrix; divided into 2 Load Segments  |
| <b>Battery</b>                    | <b>Type</b>   | Maintenance-free, sealed, valve-regulated lead acid (VRLA)  |
|                                   | <b>Extended Batteries</b>   | Up to four ERMs can be supported; recommendation is up to 2   |
|                                   | <b>Backup Time</b>  | See Backup Times Chart  |
|                                   | <b>Recharge Time</b>  | <3 hours to 90% usable capacity; <48 hours for complete recharge                                      |
| <b>Communications</b>             | <b>Serial Ports</b>   | Standard DB-9 and USB ports (ships with communication cables)   |
|                                   | <b>Option Slot</b>  | One (For Optional Communication Card)   |
|                                   | <b>Option Cards</b>   | HPE UPS Network Module (not included in kit but orderable option)                                     |
|                                   | <b>LCD Interface</b>  | LCD Display and Button Interface  |
| <b>Environmental and Safety</b>   | <b>Software</b>   | HPE Power Protector software available via download   |
|                                   | <b>Operating Temperature</b>  | 0°C to 40°C (32°F to 104°F); Long term use at higher temperature will reduce battery life 25°C (77°F) |
|                                   | <b>Non-operating Temperature</b>  | -15°C to 50°C (-5°F to 122°F)   |
|                                   | <b>Operating Humidity</b>   | 20% to 90% (non-condensing)   |
|                                   | <b>Storage Humidity</b>   | 10% to 90%  |
|                                   | <b>Operating Altitude</b>   | Up to 6,562 ft (2000 m) above sea level   |
|                                   | <b>Audible Noise</b>  | <40dB in normal operation. <45dBon battery operation  |
|                                   | <b>Safety Markings</b>  | NA/JPN: UL, cUL, VCCI   |
|                                   | <b>Safety Certifications</b>  | UL1778, UL60950-1; CSA22.2 No.107.3-05,; EN60950-1, EN62040-1IEC62040-1-1, IEC 60950-1,               |
|                                   | <b>REPO Port</b>  | Meets NEC code 645-10 and 645-11and UL requirements   |
| <b>Unit Dimensions (LxWxH)</b>    | 20.55x 17.36 x 3.39 inches / 522x 441 x 86.2 mm   |   |
| <b>Shipping Dimensions(LxWxH)</b> | 36.26 x 23.23 x 11.02 inches / 921 x 590 x 280 mm   |   |
| <b>Unit Weight</b>                | 65.28 lbs/29.61 kg  |   |
| <b>Shipping Weight</b>            | 83.62 lbs UPS and 83.62 lbs ERM / 37.93 kg & 37.93 kg   |   |

#### R/T3000 G4 UPS

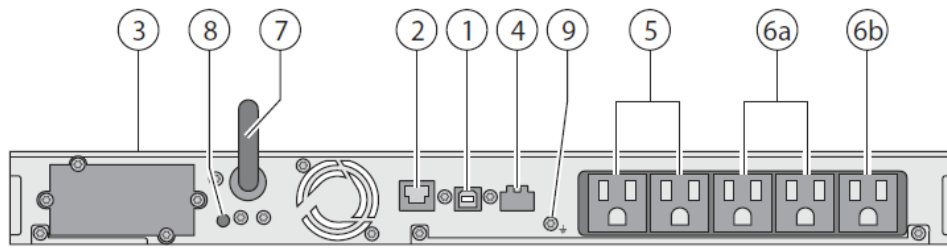


## HPE Rack/Tower UPS specifications

|                                   |   |  |
|-----------------------------------|---|--|
| <b>Battery Type</b>               | 12 V, 34W, sealed, maintenance-free, rechargeable, valve regulated lead-acid batteries with a 3-5 year service life at 25C (77F). |  |
| <b>Electrical Input</b>           | <b>Voltage Range</b>  | See Model Matrix for nominal and user selectable voltage settings; Battery string voltage 72Vdc          |
|                                   | <b>Frequency</b>  | 50/60 Hz   |
|                                   | <b>Online Efficiency</b>  | 94%  |
|                                   | <b>REPO</b>   | Remote Emergency Power-Off disables AC power to load   |
|                                   | <b>Online Regulation</b>  | -10% to +6% of nominal voltage   |
| <b>Electrical Output</b>          | <b>On battery Regulation</b>  | ±5% of nominal voltage   |
|                                   | <b>Voltage Wave Form</b>  | Sine wave  |
|                                   | <b>Connections</b>  | See Model Selection Matrix; divided into 2 Load Segments   |
|                                   | <b>Output Protection</b>  | Re-settable circuit protectors   |
| <b>Battery</b>                    | <b>Type</b>   | Maintenance-free, sealed, valve-regulated lead acid (VRLA)   |
|                                   | <b>Extended Batteries</b>   | Up to four ERMs can be supported; recommendation up to 2   |
|                                   | <b>Backup Time</b>  | See Backup Times Chart   |
|                                   | <b>Recharge Time</b>  | <3 hours to 90% usable capacity; <48 hours for complete recharge   |
|                                   | <b>Serial Ports</b>   | Standard DB-9 and USB ports (ships with communication cables)  |
| <b>Communications</b>             | <b>Option Slot</b>  | One (For optional communication card)  |
|                                   | <b>Option Cards</b>   | HPE UPS Network Module (not included in kit but orderable option)  |
|                                   | <b>LCD Interface</b>  | LCD Display and Button Interface   |
|                                   | <b>Software</b>   | HPE Power Protector software available   |
| <b>Environmental and Safety</b>   | <b>Operating Temperature</b>  | 0°C to 40°C (32°F to 104°F); Long term use at higher temperature will reduce battery life at 25°C (77°F) |
|                                   | <b>Non-operating Temperature</b>  | -15°C to 50°C (-5°F to 122°F)  |
|                                   | <b>Operating Humidity</b>   | 20% to 90% (non-condensing)  |
|                                   | <b>Storage Humidity</b>   | 10% to 90%   |
|                                   | <b>Operating Altitude</b>   | Up to 6,562 ft (2000 m) above sea level  |
|                                   | <b>Audible Noise</b>  | <4dB in normal operation. <50dB on battery operation   |
|                                   | <b>Safety Markings</b>  | NA/JPN LV /HV: UL, cUL, VCCI<br>Int'l: GS, CE, C-tick, TUV, EAC  |
|                                   | <b>Safety Certifications</b>  | UL1778, UL60950-1; CSA22.2 No.107.3-05.; EN60950-, EN62040-1 IEC62040-1-1, IEC 60950-1                   |
|                                   | <b>REPO Port</b>  | Meets NEC code 645-10 and 645-11 and UL requirements   |
|                                   | <b>Unit Dimensions (LxWxH)</b>  | 25.47 x 17.4 x 3.4 inches / 647 x 441 x 86.2 mm  |
| <b>Shipping Dimensions(LxWxH)</b> | 36.26 x 23.23 x 11.02 inches / 921 x 590 x 280 mm   |  |
| <b>Unit Weight</b>                | 87.17 lbs/39.54 kg  |  |
| <b>Shipping Weight</b>            | 107.48 lbs UPS and 120.59 lbs ERM / 48.75 kg & 54.7kg   |  |

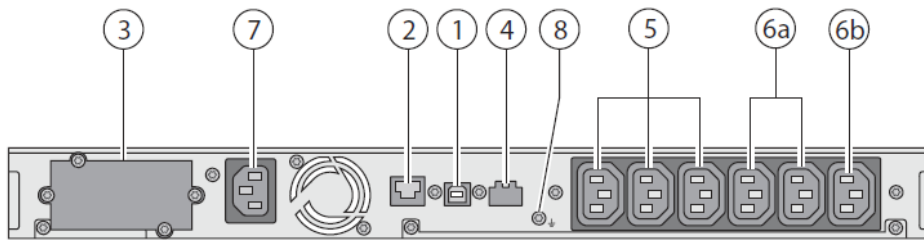
## HPE R1500 G4 NA and JP/TWN UPS

**HPE Rack/Tower UPS specifications**



- |   |  |
|---|--|
| 1. IUSB Communication Port  | 6a. Group 1: programmable outlets for equipment connection       |
| 2. ES-232 Communication Port  | 6b. Group 2: programmable outlets for equipment connection       |
| 3. Slot for optional communication card                               | 7. Attached 6ft input power cord Nema 5-15P for AC power source, |
| 4. Connector for ROO(Remote On/Off) or RPO (Remote Power Off) Control | 8. LED indicating site wiring fault alarm                        |
| 5. Outlets for connection of critical equipment (Primary group)       | 9. Ground screw  |

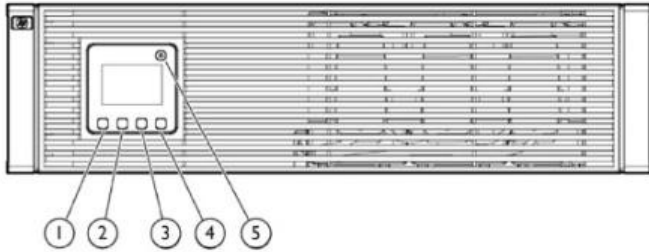
**HPE R1500 G4 International UPS**



- |  |   |
|--|---|
| 1. USB communication port  | 6a. Group 1: programmable outlets for equipment connection                    |
| 2. RS-232 communication port   | 6b. Group 2: programmable outlets for equipment connection                    |
| 3. Slot for optional communication card                                | 7. Input power connection (IEC -320-C14) for powering unit to AC power source |
| 4. Connector for ROO (Remote On/Off) or RPO (Remote Power Off) control | 8. Ground screw   |
| 5. Outlets for connection of equipment (Primary group)                 |   |

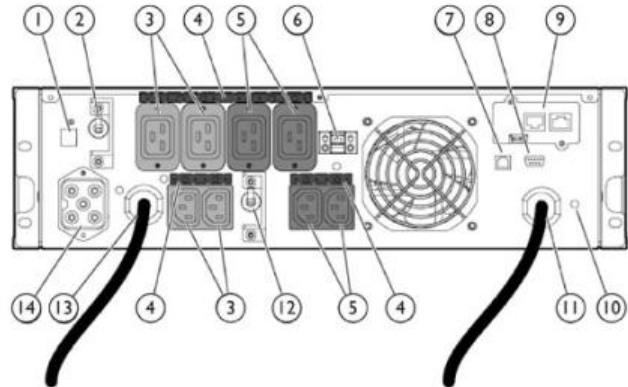
**R5000 UPS**

HPE Rack/Tower UPS specifications



**Front View**

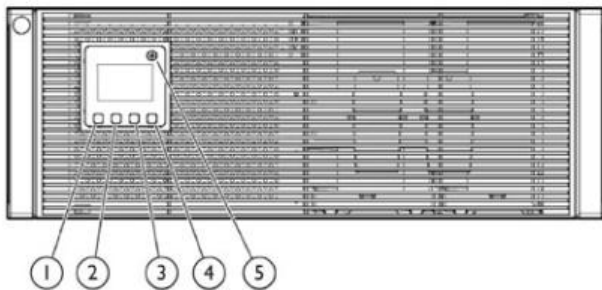
1. Escape Button
2. Scroll up button
3. Scroll down button
4. Enter/Select button
5. Power button



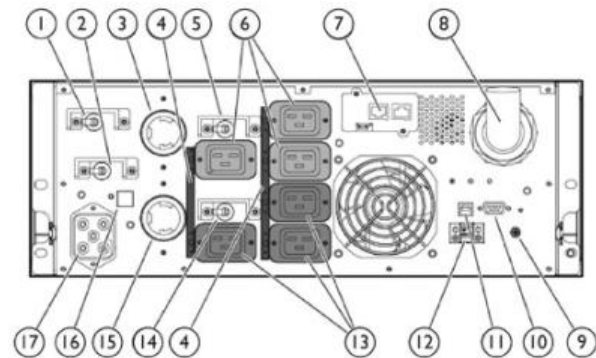
**Rear View**

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
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

**R7000 UPS**



**Front View**



**Rear View**

## HPE Rack/Tower UPS specifications

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Escape Button</li> <li>2. Scroll up button</li> <li>3. Scroll down button</li> <li>4. Enter/Select button</li> <li>5. Power button</li> </ol> | <ol style="list-style-type: none"> <li>1. Load segment 1 circuit breaker (controls L6-30R receptacle Item 3)</li> <li>2. Load segment 2 circuit breaker (controls L6-30R receptacle Item 15)</li> <li>3. Large output NEMA L6-30R receptacle or IEC-60309 32A receptacle on short cords associated with load</li> <li>4. Cord retention clip attachment locations</li> <li>5. Load segment 1 circuit breaker (controls the C19 receptacles, but does not control the large output</li> <li>6. 3 x IEC C19 receptacles on load segment 1</li> <li>7. HPE UPS Network Module</li> <li>8. Input power line cord with NEMA CS8265C plug or IEC-309- 32A plug</li> <li>9. Ground bonding screw</li> <li>10. Serial communications port</li> <li>11. USB communications port</li> <li>12. REPO port</li> <li>13. 3 x IEC C19 receptacles on load segment 2</li> <li>14. Load segment 2 circuit breaker (controls the C19 receptacles, but does not control the large output receptacle)</li> </ol> |
|---|--|

## 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

## Specifications

### HPE R1500 G4 UPS

|                                 |                              |   |
|---------------------------------|------------------------------|---|
| <b>Electrical Input</b>         | <b>Voltage Range</b>         | ± 15% of nominal 100 and 120V models and ± 20% of nominal on 230V models. See Model Matrix for nominal and user selectable voltage settings via LCD Front Display Panel |
| <b>Electrical Output</b>        | <b>Frequency</b>             | 50/60 Hz ± 5Hz (auto sensing at default voltage)  |
| <b>Battery</b>                  | <b>Online Efficiency</b>     | 92%   |
| <b>Communications</b>           | <b>Online Regulation</b>     | -10% to +6% of nominal voltage*   |
| <b>Environmental and Safety</b> | <b>On battery Regulation</b> | -10% / + 6% of nominal voltage  |
|                                 | <b>Voltage Wave Form</b>     | Sine wave   |
|                                 | <b>Connections</b>           | See Model Matrix; divided into 3 Load Segments  |
|                                 | <b>Output Protection</b>     | Firmware overload sensing and control,  |
|                                 | <b>Type</b>                  | Maintenance-free, sealed, valve-regulated lead acid (VRLA)  |
|                                 | <b>Backup Time</b>           | See Backup Times Chart  |
|                                 | <b>Recharge Time</b>         | <3 hours to 90% usable capacity; <24 hours for complete recharge  |
|                                 | <b>Voltage</b>               | 36V Battery String  |
|                                 | <b>Ports</b>                 | Standard DB-9 port (Kit ships with cable for communication )<br>USB port (Kit ships with cable for communication)   |
|                                 | <b>Option Slot</b>           | One ( for Optional Communication Card)  |
|                                 | <b>Option Cards</b>          | HPE UPS Network Module (Not included in Kit but orderable Option)   |
|                                 | <b>LED Indicators</b>        | LED display integrated into the front panel   |
|                                 | <b>Software</b>              | HPE Power Protector management software available via download  |
|                                 | <b>Operating Temperature</b> | 32° to 104° F (0° to 40° C) ( with battery)   |

## HPE Rack/Tower UPS specifications

|                                 |  |
|---------------------------------|--|
| <b>Storage Temperature</b>      | -15° to 55° F (-26° to 13° C) (without battery)  |
| <b>Humidity</b> (Operation)     | 0% to 90%  |
| <b>Humidity</b> (Non-operating) | 0% to 90%  |
| <b>Operating Altitude</b>       | up to 2000 meters  |
| <b>Audible Noise</b>            | <40db (at 1m from surface of unit) <45dBA while on inverter  |
| <b>Safety Markings</b>          | UL/cUL CE, TUV, C-tick, CES, EAC, VCCI, GS, KC, EK, BSMI   |
| <b>Safety Certifications</b>    | UL1778; UL60950, CSA22.2 No.107.1, No.107.3; CB Bulletin IEC62040-1; IEC 60950-1; EN60950-1; EN 62040-1; EN 61000-3-2+A1 +A2; EN 61000-3-3 |
| <b>EMC Markings</b>             | FCC-BCISPR 22; VCCI B; CE, BSMI, C-TICK  |
| <b>Emissions</b>                | FCC CFR 47, Part 15 Class A, EN50091-2   |
| <b>Immunity</b>                 | EN 55024; EN 50091-2 consisting of IEC 61000-4-2 thru IEC 61000-4-6 ; IEC 61000-4-11   |
| <b>Surge Suppression</b>        | Conforms to IEEE 587B and ANSI C62.41  |
| <b>Unit Dimensions (LxWxH)</b>  | 21.8x 17.2x 1.69 in (554 x 438 x 43 mm)  |
| <b>Shipping Dimensions</b>      | 30.71x 22.8 x6.1 in (780 x 580 x 155 mm)   |
| <b>Unit Weight</b>              | 39.06 lb (19.72 kg)  |
| <b>Shipping Weight</b>          | 54.45 lb (24.7 kg)   |

\* The R1500 G4 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 by 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. 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 +/-3% 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 116.4V and 123.6V. 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 +/-3% of the set point value.

## R5000 3U UPS

|                          |                              |  |
|--------------------------|------------------------------|--|
| <b>BTU Break Down</b>    | <b>BTU On Line</b>           | 478 BT/hr  |
|                          | <b>BTU On Battery</b>        | 1041 BTU/hr  |
|                          | <b>Battery Type</b>          | 12V 27W  |
| <b>Electrical Input</b>  | <b>Voltage Range</b>         | 160-253V at 200/208V nominal; 176-253V at 220, 230, and 240V nominal |
|                          | <b>Frequency</b>             | 50/60 Hz   |
|                          | <b>Online Efficiency</b>     | 94%  |
|                          | <b>REPO</b>                  | Remote Emergency Power-Off disables AC power to load                 |
|                          | <b>Online Regulation</b>     | -10% to +6% of nominal voltage                                       |
| <b>Electrical Output</b> | <b>On battery Regulation</b> | ±5% of nominal voltage   |
|                          | <b>Voltage Wave Form</b>     | Sine wave  |
|                          | <b>Connections</b>           | See Model Matrix; divided into 2 Load Segments                       |
| <b>Battery</b>           | <b>Output Protection</b>     | Re-settable circuit protectors                                       |
|                          | <b>Type</b>                  | Maintenance-free, sealed, valve-regulated lead acid (VRLA)           |
|                          | <b>Extended Batteries</b>    | Up to four ERMs supported  |
|                          | <b>Backup Time</b>           | See Backup Times Chart   |

## HPE Rack/Tower UPS specifications

|                                 |                               |  |
|---------------------------------|-------------------------------|--|
|                                 | <b>Recharge Time</b>          | <3 hours to 80% usable capacity; <48 hours for complete recharge   |
|                                 | <b>Battery String Voltage</b> | 216V   |
|                                 | <b>Battery Type</b>           | 12V 27W  |
|                                 | <b>Battery Quantity</b>       | 18   |
| <b>Communications</b>           | <b>LED Indicators</b>         | 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). |
|                                 | <b>Operating Temperature</b>  | 50° to 104° F (10° to 40° C)   |
| <b>Environmental and Safety</b> | <b>Storage Temperature</b>    | 32° to 77° F (0° to 25° C)   |
|                                 | <b>Transit Temperature</b>    | -13° to 131° F (-25° to 55° C)   |
| <b>Unit Dimensions (HxWxD)</b>  |                               | 5 5 in (12.7 cm) x 17.2 in (43.7 cm) x 29.3 in (74.4 cm)   |
| <b>Shipping Dimensions</b>      |                               | 14.4 in ( 36.58 cm) x 23.6 in ( 60 cm) x 38.78 in ( 98.5 cm)   |
| <b>Unit Weight</b>              |                               | 126 lbs (57kg)   |
| <b>Shipping Weight</b>          |                               | 192 lbs ( 87 kg)   |

## R7000 4U UPS

|   |                               |  |
|---|-------------------------------|--|
| <b>BTU Break Down</b>                         | <b>BTU On Line</b>            | 581 BT/hr  |
|   | <b>BTU On Battery</b>         | 1501 BTU/hr  |
|   | <b>Battery Type</b>           | 12V 45W  |
| <b>Electrical Input</b>                       | <b>Voltage Range</b>          | 160-253V at 200/208V nominal   |
|   | <b>Frequency</b>              | 50/60 Hz   |
|   | <b>Online Efficiency</b>      | 95%  |
|   | <b>REPO</b>                   | Remote Emergency Power-Off disables AC power to load   |
|   | <b>Online Regulation</b>      | -10% to +6% of nominal voltage   |
| <b>Electrical Output</b>                      | <b>On battery Regulation</b>  | ±5% of nominal voltage   |
|   | <b>Voltage Wave Form</b>      | Sine wave  |
|   | <b>Connections</b>            | See Model Matrix; divided into 2 Load Segments   |
|   | <b>Output Protection</b>      | Re-settable circuit protectors   |
|   | <b>Type</b>                   | Maintenance-free, sealed, valve-regulated lead acid (VRLA)   |
| <b>Battery</b>                                | <b>Extended Batteries</b>     | Up to four ERMs supported  |
|   | <b>Backup Time</b>            | See Backup Times Chart   |
|   | <b>Recharge Time</b>          | <3 hours to 80% usable capacity; <48 hours for complete recharge   |
|   | <b>Battery String Voltage</b> | 216V   |
|   | <b>Battery Type</b>           | 12V 45W  |
|   | <b>Battery Quantity</b>       | 18   |
| <b>Maximum wattage based on voltage input</b> |                               | 200-240V: 7200VA/7200W   |
| <b>Communications</b>                         | <b>Serial Ports</b>           | Standard DB-9 and USB ports (ships with communication cables)  |
|   | <b>Option Cards</b>           | HPE UPS Network Module   |
|   | <b>LED Indicators</b>         | 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). |
| <b>Environmental and Safety</b>               | <b>Operating Temperature</b>  | 50° to 104° F (10° to 40° C)   |
|   | <b>Storage Temperature</b>    | 32° to 77° F (0° to 25° C)   |

## HPE Rack/Tower UPS specifications

|  |  |
|--|--|
| <b>Transit Temperature</b>             | -13° to 131° F (-25° to 55° C)   |
| <b>Operating Humidity</b>              | 20% to 80% (non-condensing)  |
| <b>Storage Humidity</b>                | 5% to 95%  |
| <b>Operating Altitude</b>              | Up to 6,562 ft (2000 m) above sea level  |
| <b>Transit Altitude</b>                | 49,212 ft (15,000 m) above sea level   |
| <b>Audible Noise</b>                   | <46db in normal operation(at 1m from surface of unit)                                |
| <b>Safety Markings</b>                 | NA/JPN: UL, cUL<br>Int'l: GS, CE, GOST   |
| <b>Safety Certifications</b>           | UL1778, UL60950-1; CSA22.2 No.107.3, No.60-1950; EN50091-1-1; EN60950-1 IEC62040-1-1 |
| <b>EMC Markings</b>                    | NA/JPN: FCC, VCCI, ICES, CISPR<br>Int'l: BSMI, C-Tick, CISPR                         |
| <b>Emissions</b>                       | FCC CFR 47, Part 15 Class A, EN50091-2   |
| <b>Immunity</b>                        | IEC 801-2, IEC 801-3, IEC 801-4, IEC 801-5   |
| <b>REPO Port</b>                       | Meets NEC code 645—11 intent and UL requirements                                     |
| <b>Unit Dimensions (HxWxD)</b>         | 6.75 in (17.1 cm) x 17.2 in (43.7 cm) x 28.9 in (73.4 cm)                            |
| <b>Shipping Dimensions (H x L x W)</b> | 16.10 in (40.9cm) x 23.6 in. (59.9cm) x 38.8 (98.6cm)                                |
| <b>Unit Weight</b>                     | 165 lbs/75 kg  |
| <b>Shipping Weight</b>                 | 210 lbs/100 kg   |

## 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.

**NOTE:** For more information on the UPS Network Module please see: <http://www.hp.com/go/hpunm>

**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.

- R/T2200 G4 & R/T3000 G4 Extended Runtime Module – 2U
- R5000 & R7000 Extended Runtime Module – 3U

**2U R/T UPS ERM Shipping Kit** HPE 2U Rack/Tower UPS Shipping Kit L4Q11A  
**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.

**Extended Runtime Modules (ERM)** HPE R/T2200 G4 Extended Runtime Module J2R09A  
 HPE R/T3000 G4 Extended Runtime Module J2R10A  
 HPE R/T3000 2U Extended Runtime Module AF455A  
**NOTE:** AF455A can only be used with the G2 models.  
 HPE R5KVA and R7KVA 3U Extended Runtime Module AF464A  
**NOTE:** #0D1 will appear after the part number on the sales order if HPE factory integration is indicated.

**UPS Management** HPE UPS Network Module Mini-slot Kit AF465A



---

## Warranty and Care Pack

### Warranty

When you need it, use outstanding HPE support services for your whole data center environment. With HPE Care Pack 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 Care Pack Services

When you buy HPE Options, it's also a good time to think about what level of service you may need. HPE Care Pack 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. 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; standard warranty terms and conditions apply.

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

## Warranty and Care Pack

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

---

### Recommended HPE Care Pack 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.

---

|                               |   |        |
|-------------------------------|---|--------|
| <b>HPE Care Pack Services</b> | HPE Install Universal Power Supply 3KVA to Below 6KVA Service | U4693E |
|                               | HPE Install Universal Power Supply Less Than 3KVA Service     | U4690E |

## 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<br>(North America/Japan) | 110V to 120V<br>100V- Japan<br>100V- Japan | 750VA/525W<br>750VA/500W<br>750VA/500W | Attached NEMA 5-15<br>Plug type power cord,<br>16AWG         | 6 – NEMA 5-15<br>receptacles |
| J2P88A<br>International model   | 220V/230V/240V                             | 750VA/525W                             | C14 Inlet ( For<br>detachable country<br>specific power cord | 6 – IEC C13 receptacles      |

| <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 NA/JP                  | 100V (Japan) to 110V<br>120V      | 1000VA/680W<br>1000VA/700W  | Attached Nema 5-15<br>Plug type power cord,<br>16AWG         | 8 – Nema 5-15<br>receptacles |
| J2P89A INTL                   | 220V/230V/240V                    | 1000VA/700W                 | C14 Inlet ( For<br>detachable country<br>specific power cord | 8 – IEC C13 receptacles      |

| <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 NA/JP                  | 100V Japan<br>110V<br>120V        | 1200VA/980W<br>1325VA/994W<br>1440VA/1080W | Attached Nema 5-15<br>Plug type power cord,<br>14AWG         | 8 – Nema 5-15<br>receptacles |
| J2P90A INTL                   | 220V/230V/240V                    | 1500VA/1050W                               | C14 Inlet ( For<br>detachable country<br>specific power cord | 8 – IEC C13 receptacles      |

| <b>HPE R1500 G4 UPS Models</b>                                      |                                   |                             |   |                               |
|---|-----------------------------------|-----------------------------|---|-------------------------------|
| <b>Part Number</b>  | <b>Operating Voltage Settings</b> | <b>Power Out (VA/Watts)</b> | <b>Input Connection</b>                                     | <b>Output Connection</b>      |
| <b>Low-Voltage Models</b>   |                                   |                             |   |                               |
| J2Q99A NA   | 120V to 125V<br>100V              | 1440/1100<br>1200/900       | NEMA 5-15P  | 5- Nema 5-15R<br>receptacles  |
| J2R05A JP/TWN   | 100V<br>120V to 125V              | 1200/900<br>1440/1100       | NEMA 5-15P<br>Nema 5-15P With<br>Taiwan approval            | 5- Nema 5-15R<br>5-Nema 5-15R |
| <b>High Voltage Model</b>   |                                   |                             |   |                               |
| J2R03A INTL   | 220V/230V/240V<br>200V to 208V    | 1550/1100<br>1395/990       | C14 inlet (for<br>detachable country<br>specific power cord | 6- IEC 320-C13<br>receptacles |
| <b>NOTE: Voltage is user selectable via LCD Front Display Panel</b> |                                   |                             |   |                               |

| <b>HPE R/T2200 G4 UPS</b> |                                   |                             |                           |                             |
|---------------------------|-----------------------------------|-----------------------------|---------------------------|-----------------------------|
| <b>Part Number</b>        | <b>Operating Voltage Settings</b> | <b>Power Out (VA/Watts)</b> | <b>Input Connection</b>   | <b>Output Connection</b>    |
| J2R00A NA/JP              | 120V to 125V<br>100V              | 1920/1920<br>1500/1400      | Nema 5-20P 20A 3m<br>cord | 8 –Nema 5-20<br>Receptacles |

| <b>HPE R/T3000 G4 UPS Models</b> |                                   |                             |                         |                          |
|----------------------------------|-----------------------------------|-----------------------------|-------------------------|--------------------------|
| <b>Part Number</b>               | <b>Operating Voltage Settings</b> | <b>Power Out (VA/Watts)</b> | <b>Input Connection</b> | <b>Output Connection</b> |

## HPE Model Matrix

|                 |                                   |               |  |   |
|-----------------|-----------------------------------|---------------|--|---|
| J2R01A LV NA/JP | 120V <sup>1</sup> to 125V         | 2880/2700     | L5-30P, 2.4m cord  | LS1-LS4 <sup>2</sup> : 6x NEMA 5-20 outlets,<br>LS5 <sup>3</sup> : 1X NEMA L5-30 receptacle |
|                 | 100V                              | 1500/1400     |  |   |
| J2R02A HV NA/JP | 208V <sup>1</sup> to 240V         | 3000/2700     | L6-20P, 2.4m cord  | LS1-LS3 <sup>2</sup> :8xIEC C13<br>LS5 <sup>3</sup> : 1x IEC C-19 (16A outlet)              |
|                 | 200V                              | 2490/2241     |  |   |
| J2R04A HV INTL  | 208V to 240V (230V <sup>1</sup> ) | 3000/<br>2700 | Detachable IEC C-20 inlet plug for attaching country specific power cord | LS1-LS3 <sup>2</sup> : 8x IEC C13<br>LS5 <sup>3</sup> : 1x IEC C-19 (16A outlet)            |
|                 | 200V                              | 2490/2241     |  |   |

<sup>1</sup> Factory default setting.

<sup>2</sup> LS1 thru LS4 = Load Segment 1 thru 4 (or less depending on unit)

<sup>3</sup> LS5 = Load Segment 5

## 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<br>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<br>LS2: 15A CB - 2 x C19 + 2 x C13<br>Plus one pigtailed receptacle (LS1)<br>1 x L6-30R |

## HPE R/T2200 G4 UPS

| Part Number  | Operating Voltage Settings | Power Out (VA/Watts) | Input Connection       | Output Connection        |
|--------------|----------------------------|----------------------|------------------------|--------------------------|
| J2R00A NA/JP | 120V to 125V               | 1920/1920            | Nema 5-20P 20A 3m cord | 8 -Nema 5-20 Receptacles |
|              | 100V                       | 1500/1400            |                        |                          |

## HPE R/T3000 G4 UPS Models

| Part Number     | Operating Voltage Settings        | Power Out (VA/Watts) | Input Connection   | Output Connection   |
|-----------------|-----------------------------------|----------------------|--|---|
| J2R01A LV NA/JP | 120V <sup>1</sup> to 125V         | 2880/2700            | L5-30P, 2.4m cord  | LS1-LS4 <sup>2</sup> : 6x NEMA 5-20 outlets,<br>LS5 <sup>3</sup> : 1X NEMA L5-30 receptacle |
|                 | 100V                              | 1500/1400            |  |   |
| J2R02A HV NA/JP | 208V <sup>1</sup> to 240V         | 3000/2700            | L6-20P, 2.4m cord  | LS1-LS3 <sup>2</sup> :8xIEC C13<br>LS5 <sup>3</sup> : 1x IEC C-19 (16A outlet)              |
|                 | 200V                              | 2490/2241            |  |   |
| J2R04A HV INTL  | 208V to 240V (230V <sup>1</sup> ) | 3000/<br>2700        | Detachable IEC C-20 inlet plug for attaching country specific power cord | LS1-LS3 <sup>2</sup> : 8x IEC C13<br>LS5 <sup>3</sup> : 1x IEC C-19 (16A outlet)            |
|                 | 200V                              | 2490/2241            |  |   |

<sup>1</sup> Factory default setting.

<sup>2</sup> LS1 thru LS4 = Load Segment 1 thru 4 (or less depending on unit)

<sup>3</sup> LS5 = Load Segment 5

## Estimated Backup Times

| Battery runtimes are approximate and may vary with equipment, configuration, battery age, temperature, etc. |                        |  |
|---|------------------------|--|
| <b>Tower UPS Models</b>   |                        |  |
| <b>Load</b><br>(Percent)  | <b>Load</b><br>(Watts) | <b>Estimated battery runtime at 100%<br/>battery charge</b><br>(Minutes) |
| <b>T750 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 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 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  |

### Rack UPS Models

#### R1500 G4 UPS

**Estimated Backup Times**

| Load<br>(Percent) | Load<br>(Watts) | Minutes of Back up time |
|-------------------|-----------------|-------------------------|
| 10%               | 109W            | 97                      |
| 20%               | 219W            | 39                      |
| 30%               | 328W            | 23                      |
| 40%               | 438W            | 16                      |
| 50%               | 547W            | 12                      |
| 60%               | 656W            | 10                      |
| 70%               | 766W            | 8                       |
| 80%               | 875W            | 7                       |
| 90%               | 985W            | 6                       |
| 100%              | 1094W           | 5                       |

**Estimated Runtime with Extended Runtime Module (ERM)****R/T2200 G4 UPS**

| Load<br>(Percent) | With internal batteries<br>(Minutes) | With One ERMs<br>(Minutes) | With Two ERMs<br>(Minutes) | With Three ERMs<br>(Minutes) | With Four ERMs<br>(Minutes) |
|-------------------|--------------------------------------|----------------------------|----------------------------|------------------------------|-----------------------------|
| 191W (10%)        | 80                                   | 287                        | 491                        | 725                          | 898                         |
| 382W (20%)        | 30                                   | 123                        | 218                        | 311                          | 406                         |
| 573W (30%)        | 17                                   | 75                         | 135                        | 189                          | 255                         |
| 764W (40%)        | 12                                   | 53                         | 97                         | 133                          | 184                         |
| 956W (50%)        | 9                                    | 40                         | 74                         | 101                          | 142                         |
| 1147W (60%)       | 7                                    | 32                         | 60                         | 81                           | 115                         |
| 1338W (70%)       | 5                                    | 27                         | 50                         | 67                           | 97                          |
| 1529W (80%)       | 4                                    | 23                         | 43                         | 57                           | 83                          |
| 1720W (90%)       | 4                                    | 20                         | 37                         | 49                           | 73                          |
| 1911W (100%)      | 3                                    | 17                         | 33                         | 44                           | 64                          |

**R/T3000 G4 UPS High Voltage**

| Load<br>(Percent) | With internal batteries<br>(Minutes) | With One ERMs<br>(Minutes) | With Two ERMs<br>(Minutes) | With Three ERMs<br>(Minutes) | With Four ERMs<br>(Minutes) |
|-------------------|--------------------------------------|----------------------------|----------------------------|------------------------------|-----------------------------|
| 270W (10%)        | 83                                   | 259                        | 457                        | 655                          | 854                         |
| 540W (20%)        | 31                                   | 122                        | 219                        | 317                          | 414                         |
| 810W (30%)        | 18                                   | 78                         | 143                        | 207                          | 271                         |
| 1080W (40%)       | 12                                   | 57                         | 105                        | 153                          | 201                         |
| 1350W (50%)       | 9                                    | 45                         | 83                         | 121                          | 159                         |
| 1620W (60%)       | 7                                    | 37                         | 68                         | 100                          | 132                         |
| 1890W (70%)       | 5                                    | 31                         | 58                         | 85                           | 112                         |
| 2160W (80%)       | 4                                    | 27                         | 50                         | 74                           | 97                          |
| 2430W (90%)       | 4                                    | 24                         | 45                         | 65                           | 86                          |
| 2700W (100%)      | 3                                    | 21                         | 40                         | 59                           | 77                          |

## Estimated Backup Times

### R/T3000 G4 UPS Low Voltage

| Load<br>(Percent) | With internal batteries<br>(Minutes) | With One ERMs<br>(Minutes) | With Two ERMs<br>(Minutes) | With Three ERMs<br>(Minutes) | With Four ERMs<br>(Minutes) |
|-------------------|--------------------------------------|----------------------------|----------------------------|------------------------------|-----------------------------|
| 270W (10%)        | 61                                   | 281                        | 475                        | 665                          | 860                         |
| 540W (20%)        | 28                                   | 127                        | 219                        | 311                          | 405                         |
| 810W (30%)        | 17                                   | 79                         | 140                        | 200                          | 260                         |
| 1080W (40%)       | 12                                   | 57                         | 101                        | 146                          | 190                         |
| 1350W (50%)       | 10                                   | 44                         | 79                         | 114                          | 149                         |
| 1620W (60%)       | 8                                    | 36                         | 65                         | 93                           | 122                         |
| 1890W (70%)       | 7                                    | 30                         | 54                         | 79                           | 104                         |
| 2160W (80%)       | 6                                    | 26                         | 47                         | 68                           | 90                          |
| 2430W (90%)       | 5                                    | 22                         | 41                         | 60                           | 79                          |
| 2700W (100%)      | 4                                    | 20                         | 37                         | 53                           | 70                          |

### R5000 UPS

| Load<br>(Percent*) | With internal batteries<br>(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<br>(Percent*) | With internal batteries<br>(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.

## Estimated Backup Times

| <b>R7000 UPS NA/JP</b>    |   |                               |                                 |
|---------------------------|---|-------------------------------|---------------------------------|
| <b>Load</b><br>(Percent*) | <b>With internal batteries</b><br>(Minutes) | <b>With One ERM</b> (Minutes) | <b>With Four ERMs</b> (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                              |
| 5760W (80%)               | 6   | 18                            | 54                              |
| 6480W (90%)               | 5   | 15                            | 47                              |
| 7200W (100%)              | 4   | 13                            | 41                              |

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



## Estimated Backup Times

| Rack/Tower UPS Models              |                                 |   |  |  |   |
|------------------------------------|---------------------------------|---|--|--|---|
| Load (Percent*)                    | Estimates<br>battery<br>runtime | With One<br>Extended<br>Runtime<br>Module | With Two<br>Extended<br>Runtime<br>Modules | With Three<br>Extended<br>Runtime<br>Modules | With Four<br>Extended<br>Runtime<br>Modules |
|                                    | (Minutes)                       | (Minutes)                                 | (Minutes)                                  | (Minutes)                                    | (Minutes)                                   |
| <b>R/T2200 G4 UPS</b>              |                                 |   |  |  |   |
| 384W 20%                           | 45                              | 142                                       | 256  | 346  | 448   |
| 960W 50%                           | 15                              | 55  | 99   | 110  | 144   |
| 1536W 80%                          | 7                               | 34  | 60   | 53   | 78  |
| 1920W 100%                         | 5                               | 26  | 47   | 36   | 57  |
| <b>R/T3000 G4 Low Voltage UPS</b>  |                                 |   |  |  |   |
| 540W 20%                           | 40                              | 125                                       | 225  | 349  | 452   |
| 1350W 50%                          | 12                              | 50  | 99   | 107  | 140   |
| 2160W 80%                          | 6                               | 30  | 60   | 67   | 88  |
| 2700W 100%                         | 4                               | 24  | 47   | 52   | 68  |
| <b>R/T3000 G4 High Voltage UPS</b> |                                 |   |  |  |   |
| 540W 20%                           | 45                              | 142                                       | 256  | 321  | 417   |
| 1350W 50%                          | 15                              | 55  | 99   | 115  | 152   |
| 2160W 80%                          | 7                               | 34  | 60   | 72   | 95  |
| 2700W 100%                         | 5                               | 26  | 47   | 60   | 79  |

### 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)

## Estimated Backup Times

## Summary of Changes

| Date        | Version History       | Action  | Description of Change   |
|-------------|-----------------------|---------|---|
| 21-Feb-2017 | From Version 12 to 13 | Changed | Estimated Backup Times section was updated.   |
| 26-Oct-2016 | From Version 11 to 12 | Changed | Version reverted.   |
| 26-Sep-2016 | From Version 10 to 11 | Changed | Overview and Models, Key Features, Tower UPS Compatibility, and Product Specifications were revised.  |
| 28-Sep-2015 | From Version 9 to 10  | Added   | Added new Rack UPS Models to the Overview and Models section.<br><br>Towers G4 UPS Specifications table was added to Tower UPS Specifications.<br><br>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 | From Version 8 to 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 | From Version 7 to 8   | Changed | Changes made throughout the entire QuickSpecs.  |
| 09-Feb-2015 | From Version 6 to 7   | Added   | Added G4 models.  |
|             |                       | Changed | Changed name to HPE Line Interactive Single Phase Uninterruptible Power Systems (UPS).<br><br>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.   |



Sign up for updates

© Copyright 2017 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.



c04154342 - 14058 - Worldwide - V13 - 21-February-2017