

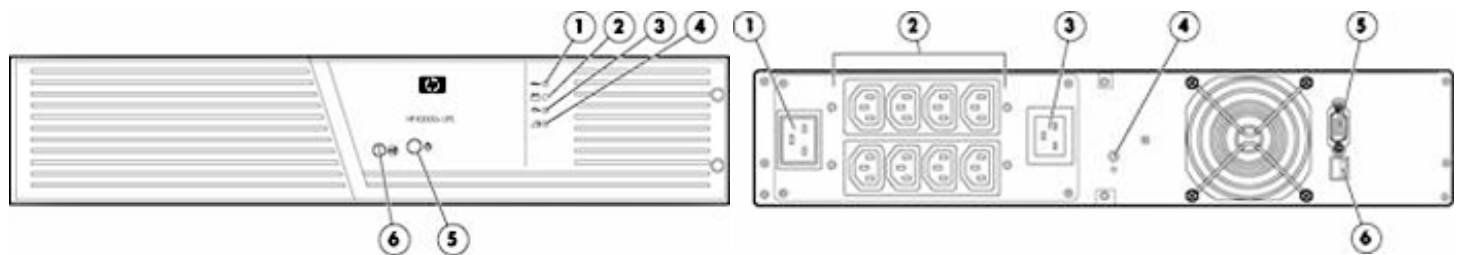
Overview

The HP R3000v UPS is a high power-density solution with online, double conversion topology, designed for customers who need the most stable power protection in space-constrained rack enterprise environments.

This leading edge Uninterruptible Power System, R3000v, features a 2U rackmount design offering up to 2100 watts of true power to protect your sensitive computer equipment.

In addition, the HP R3000v UPS has the capability to be connected to optional Extended Runtime Modules (ERM). Customers can further increase the runtime on their HP R3000v UPS by adding up to 4 ERMs to their UPS.

This UPS is available only in China and India.



Front View

Rear View

1. Power On Indicator (green)
2. On Battery Indicator (yellow)
3. Bypass Indicator (yellow)
4. Alarm indicator (red)
5. Output On button
6. Output Off/Alarm Silence button

1. (1) IEC C20-16A input receptacle
2. (8) IEC 320-10A output receptacles
3. (1) IEC 320-16A output receptacle
4. Ground screw
5. RS-232 Communication Port
6. USB Port

Models

HP R3000v UPS

AF444A

NOTE: The R3000v is available in China and India only.

Product Highlights

Key Features

- Impressive power density with up to 3000VA / 2100 Watts of power packed in just 2U rack space
- Greater system uptime with support for up to 4 Extended Runtime Modules (ERM)
- Easy monitoring through front panel LED indicators
- Included software (HP Value UPS Manager) that extend the power management capabilities of the UPS
- Backed by a limited one-year warranty
- (1) IEC-320 C19 (16A); (8) IEC-320 C13 (10A) outputs
- Adjustable voltage sensitivity
- Audible Alarms
- Automatic Voltage Regulation (AVR)
- Boost and Trim Automatic Voltage Regulation (AVR)
- Cold-start capable ("Battery on")
- Generator Compatible
- Included Software (HP Value UPS Manager)
- LED status indicators
- Lightning and Surge Protection
- Network manageable
- Online Double conversion topology
- Overload Indicator
- Performance power protection for servers
- Pure Sine-wave output
- Rack Mount
- Serial Connectivity (native)
- USB Connectivity (native)
- 2 Minute pre-alarm battery warning
- IPV4 and IPV6 support

2U Power Packed Design Rated at 3000VA / 2100W, the HP UPS R3000v packs power in space-conserving rack-mount design, allowing you to support more critical equipment in your rack.

Increase System Uptime with Extended Runtime Modules The Extended Runtime Modules are rack mounted battery modules that occupy 2U (8.9 cm) of rack space. The HP UPS R3000v supports four Extended Runtime Modules (ERM), which extends your overall battery runtime.

Investment Protection with HP Enhanced Battery Management HP UPS R3000v incorporates Enhanced Battery Management: an exclusive, patented technology that doubles battery service life, optimizes battery recharge time, and provides advance notice of pending battery failure. With Enhanced Battery Management, you have a lower total cost of ownership and receive the best in the industry protection for your critical equipment.

Remotely Monitor UPSs on the Network The free, included HP Value UPS Manager software features the ability to remotely monitor UPSs and linked servers over LAN. It enables network administrators to receive power event alerts via email. Power-related problems on the network are quickly discovered and remedied.

Easy Monitoring via Front Panel LED indicators LED indicators integrated into the front panel with two button controls show key information at a glance.

Product Highlights

Intelligent Manageability HP Value UPS Manager software is included with the HP UPS R3000v models. The HP Value UPS Manager software enables you to monitor and control HP UPSs locally or remotely. This software is a versatile, configurable, alert response tool that gives system administrators a full overview of the network's conditions. It enables you to monitor system status and power conditions, configure shut down timing for both UPSs and servers, send email alert messages, and perform UPS diagnostic checks quickly and easily.

Key Features of HP Value UPS Manager:

- Event Log History
- IPV4 and IPV6 support
- Load Level monitoring
- Temperature monitoring
- Management of multiple UPS and servers on a single management server (via LAN)
- Event notification via email
- Battery Test
- Time delayed scheduled shutdown and power on of UPS
- Time delayed scheduled shutdown of Server/equipment
- Time delayed scheduled battery test
- Software supported languages: English, Traditional Chinese, Simplified Chinese
- 2 Minute pre-alarm battery warning

Extended Runtime Module (ERM) The UPS R3000v supports up to four HP R3000v ERM option kits. Each module is 2U (8.9cm), a rack mountable battery module that extends your overall battery runtime.

Compatibility Supports both 32 bit and 64 bit Operating systems

- Windows
 - Windows Server 2003 Ent - SP2
 - Windows XP
 - Windows Vista
 - Windows Server 2008
- Linux
 - RedHat 5 - U1
 - SLES 10 - SP1

HP Quality HP hardware qualification is the toughest in the industry. Extensive evaluation, testing, product improvement, and an unsurpassed warranty guarantee the highest level of system protection, electrical performance, product quality and compatibility.

Kit Contents

- HP R3000v UPS
- HP Value UPS Manager Software CD
- Depth adjustable rack mounting rails, mounting brackets, cord strain relief brackets
- Communications cables (RS232 Serial cable and USB cable)
- India power cord (AC power cord IEC-IEC 16A India, 2.5m)
- China power cord (AC power cord IEC-IEC 16A China, 2.5m)
- Documentation (English, Simplified Chinese)

Product Highlights

Warranty

HP R3000v UPS and R3000v ERMs are covered by a one-year warranty, including parts and labor by the following authorized service providers. Serial number information and model number information are located on labels that can be found either behind the front bezel of the R3000v UPS or R3000 ERM.

Please contact these service providers directly for warranty service.

Contact phone number in China: 400 8899 102

Contact phone number in India: 1 800 102 3330

This product is available in China and India only.

These products are not covered by any HP Care Packs.

Related Options

Extended Runtime Module HP R3000v ERM
(ERM)

AF445A

QuickSpecs

HP R3000v UPS Uninterruptible Power System (UPS)

UPS R3000 Model Matrix

Part Number	Operating Voltage Setting	Power Out (VA/Watts)	Input Connection	Output Connection
AF444A	230V	3000/2100	Detachable Cord with country-specific plug (IEC-320-C20 inlet, 16A)	(1) IEC-320 C19 (16A); (8) IEC-320 C13 (10A)

Technical Specifications

Unit Dimensions (DxWxH)	570mm x 438mm x 86.5mm
Shipping Dimensions (DxWxH)	850mm x 600mm x 285mm
Unit Weight	31.4 kg
Battery	Battery String Voltage 72 V
	Battery Type 12V 9A
	Battery Quantity 6
Topology	Online, double conversion
Electrical Input	Voltage 220, 230, 240 V (auto select)
	Voltage Range 160-277VAC
	Frequency 50/60 Hz, auto select
	Input Plug 16A, IEC-320-C20
	Online Efficiency 95% during high efficiency operation Minimum of 88% for full PFC loads
Electrical Output	Online Regulation -2% to +2% of nominal voltage
	Voltage Wave Form Sine wave (sinusoidal)
	Connections (1) IEC-320 C19 (16A); (6) IEC 320 C13 (10A)
	Load Segment 1
	Output Protection circuit protectors
Battery	Type Maintenance-free, sealed, valve-regulated lead acid (VRLA) UL924 recognized
	Extended Batteries up to 4 ERMs (optional)
	Backup Time See Backup Times Chart
	Recharge Time <3 hours to 90% usable capacity
Communications	Serial Ports (1) RS232
	USB Port (1) USB port
	LED Indicators LED integrated into the front panel; with two-button control
Environmental and Safety	Operating Temperature 0° to 40° C at sea level
	Transit Temperature -25° to 55° C (Storage at temperatures above 25°C will reduce battery life)
	Storage Temperature -25° to 40° C (Storage at temperatures above 25°C will reduce battery life)
	Humidity (Operation) 5% to 90% (non-condensing)
	Operating Altitude Up to 3000 m above sea level
	Transit Altitude 10,000 m above sea level
	Audible Noise <50db (at 1 m from surface of unit) (both normal and inverter mode)
	Safety Compliant with IEC 62040-1-1 (not certified)
	Emissions Compliant with IEC 62040-2 (not certified)

Technical Specifications

Estimated Backup Times Chart (Minutes)

Load (Percent)	Typical Backup Time for R3000v	Typical Backup Time with 1 ERM* (no charger)	Typical Backup Time with 2 ERM* (no charger)	Typical Backup Time with 3 ERM* (no charger)	Typical Backup Time with 4 ERM* (no charger)
25	34	129	211	354	441
50	14	61	91	155	210
75	7	33	69	95	129
100	5	24	44	67	95

*Calculated by combining the UPS battery with the ERM battery. Also calculated using ERM without charger

Battery Recharge

The UPS internal batteries, without attached ERM's, will recharge in less than 3 hours to 90% usable capacity.

With two attached ERM's, the time for the UPS to recharge is less than 12 hours to 80% usable capacity.

With four attached ERM's, the time for the UPS to recharge is less than 20 hours to 80% usable capacity.

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