

MODELS

Compaq R6000 Uninterruptible Power System

The Latest Innovation from Compaq

- More critical equipment supported in rack space with space-saving design (6U) and more accurate load qualification
- Greater system uptime with Extended Run-time Modules (ERMs)
- Enhanced system flexibility with five load segments and additional support for Compaq UPS option cards

Benefits At a Glance

- Enterprise-wide intelligent manageability with independently controllable load segments and bundled Compaq Power Management Software
- Ultimate, long-term battery reliability with Compaq Enhanced Battery Management
- System expandability and manageability with Compaq UPS option cards
- Ease of serviceability with a service Bypass switch and hot-swappable batteries
- Backed by a limited, three-year warranty, Compaq Pre Failure warranty, and \$25,000 load protection guaranty¹

More Critical Equipment Supported

Rated at 6000VA/6000W, the Compaq R6000 UPS achieves a unity power rating. As a unity rated UPS, the Compaq R6000 delivers more true power - as measured in Watts - than non-unity rated UPSs. The Compaq R6000 UPS delivers more accurate load qualification, allowing you to support a greater number of today's enterprise computing Power Factor Corrected (PFC) equipment.

Efficient Design Saves Rack Space

The Compaq R6000 occupies only 6U (10.5 inches) of valuable rack real estate. The state-of-the art power processing system design of the Compaq R6000 has an unsurpassed power density of 1kW per 1U of rack space.

Investment Protection with Compaq Enhanced Battery Management

The Compaq R6000 UPS 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.

Increases System Uptime with Extended Runtime Modules and Hot-Swappable Batteries

The Compaq R6000 UPS is equipped with hot-swappable batteries, so you can replace batteries without powering down the connected equipment. The rack-mounted Extended Runtime Modules occupy 3U (5.25 inches) of rack space. The Compaq R6000 UPS supports up to two Extended Runtime Modules.

More Flexibility with Compaq UPS Option Cards and Additional Load Segments

Compaq UPS option cards seamlessly integrate into the back bezel of your Compaq R6000 UPS. The Compaq Multi-Server Card facilitates direct communication with up to three servers, eliminating the need for multiple UPSs. The Compaq Scalable Card enables multiple UPSs to work together and to be monitored as one logical UPS providing scalability and field upgradability. Equipped with two option slots, the Compaq R6000 UPS can support the Compaq Multi-Server and Scalable Cards simultaneously.

With five load segments, you have the flexibility to configure scheduled startups and shutdowns, as well as independently control separate load segments. With the bundled Compaq Power Management Software, the Compaq R6000 UPS can be configured to extend the runtime for more critical devices.

Compaq Quality

Backed by extensive testing, product improvement and an unsurpassed warranty, you are guaranteed the highest level of system protection and performance with your Compaq R6000 UPS.

It supports V.42, MNP 2-4, MNP 10, MNP 10EC, and V.42bis/MNP 5, providing the most advanced error correction and data compression available.

SPECIFICATIONS

Electrical Input

Voltage	200, 208, 220, 230 & 240 user-selectable; see Model Selection Guide for default voltage settings
Voltage Range	± 20% of nominal voltage
Extended Voltage Range	160 to 288V
Frequency	50/60 Hz, ± 3 Hz (± 5 Hz with extended voltage range)
Connection	Hardwired
Power Factor	Approx. same as connected equipment
Inrush Current	< 250A for one cycle
Online Efficiency	96%
REPC	Remote Emergency Power-Off disables AC power to load

Electrical Output

Power Out (VA/Watts)	6000/6000
Voltage Range (online)	± 10% of nominal voltage
Voltage Range (on battery)	± 5% of nominal voltage (-10% at low battery)
Wave Form	Sine Wave
Frequency	Same as input (± 0.5% during battery operation)
Connections	(3) IEC-320, 16A and (12) IEC-320, 10A; divided into 5 Load Segments
Max Current	29A at 208 Vac; 26A at 230 Vac; 30A at 200 Vac
Output Protection	Resettable circuit breaker (One 10 Amp for each load segment)
Sleep Mode (User-Configurable)	With < 8% load, UPS shuts down in 5 minutes to prevent unnecessary battery drain, sleep mode is disabled as default from factory

Battery

Type	Maintenance-free, sealed, valve regulated lead acid (VRLA), (28, 12V 5 amp)
Extended batteries	Maximum of 2 Extended Run Modules
Backup Time	See Backup Times table
Recharge Time	< 3 hours to 80% usable capacity; < 48 hours for complete recharge
Extended Battery Recharge Time	< 10 hours to 80% usable capacity

Communications

Serial Ports	(2) Serial communication ports for intelligent power management software and Compaq Option Cards
Option Cards	Multi-Server UPS Card & Scalable UPS Card for rear panel option slots
User LEDs	Normal Operation (green), On Battery (yellow), On Bypass (yellow), and Alarm (red)
Front Panel Controls	On button, Standby button, & Test/Reset/Alarm Silence button
LCD	Two-line LCD with three button control

Environmental and Safety

Operating Temperature	50° to 104°F/10° to 40°C (77°F/25°C for optimal performance)
Transit Temperature	-4° to 131°F/-20° to 55°C
Storage Temperature	32° to 77°C /0°C to 25°C
Humidity (Operation)	20% to 80% (non-condensing)
Humidity (Non-operating)	5% to 95%
Operating Altitude	0 to 10,000 feet/0 to 3,048 m
Non-Operating Altitude	0 to 30,000 feet/0 to 9,144 m
Audible Noise	55 dBA at 1 meter

SPECIFICATIONS *(continued)*

Environmental and Safety *(continued)*

Safety Markings	FCS, UL, CSA, VDE, NEMKO, FIMKO, DEMKO, SEMKO, NOM
Safety Certifications	UL1778; CSA22.2 No.107.1, No.107.2, No.950; CB Bulletin No.86A1; EN50091-1; EN60950; EMKO-TSE207/95; NOM-019-SCFI-1993
EMC Markings	FCC; CISPR; VCCI; CE
Emissions	FCC CFR 47, Part 15 Class A, EN50091-2
Immunity	IEC 801-2, IEC 801-3, IEC 801-4, IEC 801-5
Surge Suppression	Conforms to IEEE 587B and ANSI C62.41
REPO Port	Meets NEC code 645-11

ESTIMATED BACKUP TIMES (IN MINUTES)

Load in Watts	Standard Batteries	One Additional ERM ²	Two Additional ERMS ²
500W	1 hour 45 minutes	3 hours	6 hours
1000W	1 hour	2 hours	3 hours
2000W	25 minutes	1 hour	1 hour 30 minutes
3000W	20 minutes	35 minutes	1 hour
4000W	12 minutes	30 minutes	45 minutes
5000W	9 minutes	25 minutes	40 minutes
6000W	7 minutes	15 minutes	30 minutes

MODEL SELECTION GUIDE

Product Part Numbers

R6000 (North America)	347207-001
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Hardware Options

Extended Runtime Module	347224-B21
Multi-Server UPS Card	123508-B21
Scalable UPS Card	123509-B21
PDU High Voltage Models (NA only)	295363-002
High to Low Voltage Transformer (250V)	388643-B21

PHYSICAL CHARACTERISTICS

Feature	U.S.	Metric
Dimensions		
Width	17.25 in	438 mm
Height	10.5 in	268 mm
Depth	24.75 in (not incl. bezel)	629 mm
	25.75 in (including bezel)	654 mm
Weight	250 lbs	136 kg

¹ Certain restrictions and exclusions apply. \$25,000 load protection guarantee supported by original equipment manufacturer. Consult the Customer Support Center for details. For more information about Compaq UPSs or other Compaq products, contact your authorized Compaq reseller or visit our Web site at www.compaq.com.

² Extended Runtime Module.

³ a=North American-208 Vac default, i=international-230 Vac default, j=japanese - 200 Vac default; user selectable for 200, 208, 220, 230, and 240 Vac.