Compaq R6000 UPS

Power Packed Protection for Rack Systems

More Critical Equipment Supported

Rated at 6000VA/6000W, the Compaq R6000 Uninterruptible Power System 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. In addition, the Compaq R6000 UPS allows you to support up to approximately 40% more load of today's enterprise computing Power Factor Corrected (PFC) equipment.

Investment Protection with Compaq Enhanced Battery Management

The Compaq R6000 UPS incorporates Enhanced Battery Management, an exclusive, patent-pending technology that doubles battery service life, optimizes battery recharge time, and provides advance notice of the end of useful battery life. With Enhanced Battery Management, you have a lower total cost of ownership and industry leading protection.

Efficient Design Saves Rack Space

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

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.

Field Upgradeable via Firmware Flash

The Compaq R6000 incorporates a flashable microprocessor that allows firmware upgrades through the communications port. Compaq field service personnel can upgrade the Compaq R6000 UPS without bringing down the load.

More Flexibility with Compaq UPS Option Cards and Additional Load Segments

Compaq UPS option cards seamlessly integrate into the two option slots in the rear panel of your Compaq R6000 UPS. With the Compaq Multi-Server Card, you can connect up to three network devices to a single UPS – saving you the cost of buying additional UPSs. The Compaq Scalable Card enables up to two R6000 UPSs to work together and to be monitored as one logical UPS — providing enhanced protection, scalability, and future expandability. With five load segments, you have the flexibility to configure and control separate load segments with the bundled Compaq Power Management Software.

Compaq Quality

Backed by extensive testing and an unsurpassed warranty, you are guaranteed the highest level of system protection and performance with your Compaq R6000 UPS.
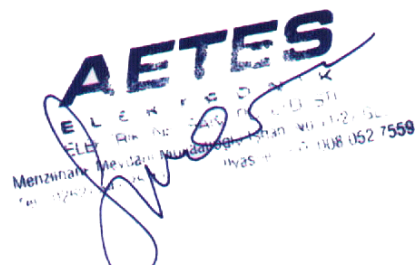
➜ The Latest Innovation From Compaq

- ➜ More critical equipment supported in your rack with space-saving design (6U).
- ➜ Greater system uptime with Extended Runtime Modules (ERMs).
- ➜ Enhanced system flexibility with five load segments and support for option cards.
- ➜ More accurate load determination as a unity rated UPS (6000VA/6000W).
- ➜ Field upgradeable via firmware flash.

➜ Benefits At A Glance

- ➜ Enterprise-wide intelligent manageability with independently controlled 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 hot swappable batteries.
- ➜ Backed by a limited three-year warranty, pre-failure warranty and $25,000 load protection guarantee.*

COMPAQ

Better answers

MODEL SELECTION GUIDE

COMPAQ R6000 UPS MODELS (200-240 VAC;50/60HZ)[1]

MODEL[1] NUMBER	PART NUMBER	POWER OUT (VA/WATT)	INPUT CONNECTION	OUTPUT CONNECTIONS	DIMENSIONS W*H*D	WEIGHT
R6000a[2]	347207-001	6000 VA 6000 Watt	Hard-wired	(12) IEC320,10A (3) IEC320,16A	17.25 x 10.5 x 24.3 in 43.8 x 26.7 x 61.7 cm	300 lb/136kg
R6000i[3]	347207-B31	6000 VA 6000 Watt	Hard-wired	(12) IEC320,10A (3) IEC320,16A	17.25 x 10.5 x 24.3 in 43.8 x 26.7 x 61.7 cm	300 lb/136kg
R6000j[4]	347207-291	6000 VA 6000 Watt	Hard-wired	(12) IEC320,10A (3) IEC320,16A	17.25 x 10.5 x 24.3 in 43.8 x 26.7 x 61.7 cm	300 lb/136kg

1. User selectable for 200, 208, 220, 230, and 240 VAC. 2. a=North American 208 VAC default. 3. i=international 230 VAC default.
4. j=Japanese 200 VAC default.

COMPAQ R6000 EXTENDED RUNTIME MODULE

PART[1] NUMBER	BATTERY VOLTAGE	OUTPUT CONNECTIONS	DIMENSIONS W*H*D	WEIGHT
347224-B21	360VDC	Custom DC Connector	17.25 x 5.25 x 24.3 in 43.8 x 13.35 x 61.7 cm	150 lb/68 kg

1. Designed for use with the Compaq R6000 UPS

TECHNICAL SPECIFICATIONS

ELECTRICAL INPUT

VOLTAGE	200, 208, 220, 230, & 240 VAC user-selectable; see Model Selection Guide for default voltage settings
VOLTAGE RANGE	±20% of nominal voltage
EXTENDED VOLTAGE RANGE	160-288V
FREQUENCY	50/60 Hz, ±3 Hz (+5/-3 Hz with extended voltage range)
CONNECTION	Hardwired
POWER FACTOR	Approx. same as connected equipment
INRUSH CURRENT	< 250A for one cycle
ONLINE EFFICIENCY	96%
REPO	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)	204 VAC ±5% for 200 VAC and 208 VAC 230 VAC ±5% for 220 VAC, 230 VAC and 240 VAC
WAVE FORM	Sine Wave
FREQUENCY	Same as input (±0.5% during battery operation)
RECEPTACLES	(3) IEC-320, 16A and (12) IEC-320, 10A; divided into 5 load segments
INTERCONNECTING CORDS	(6) IEC320 cables (two 2 meter cables, two 2.5 meter cables and two 3 meter cables), and two 16 amp jumper cables supplied with UPS
MAX CURRENT	29A at 208 VAC 26A at 230 VAC; 30A at 200 VAC
OUTPUT PROTECTION	Resettable circuit breakers
SLEEP MODE (User-Configurable)	With < 5% load, UPS shuts down in 5 minutes while operating on battery; sleepmode is disabled as default from factory

BATTERY

TYPE	Maintenance-free, sealed, valve regulated lead acid (VRLA), (28), 12 V 5 ah
EXTENDED BATTERIES	Maximum of 2 Extended Runtime 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 UPS 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
SNMP	SNMP Ready
INTERCONNECTING CORDS	12 foot communication cable supplied with UPS
POWER MANAGEMENT SOFTWARE	Bundled with UPS

ENVIRONMENTAL AND SAFETY

OPERATING TEMPERATURE	10°C to 40°C (25°C for optimal performance)
TRANSIT TEMPERATURE	-20°C to 55°C
STORAGE TEMPERATURE	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
NON-OPERATING ALTITUDE	0 to 30,000 feet
AUDIBLE NOISE	55 dBA at 1 meter
SAFETY MARKINGS	UL, CSA, VDE, NEMKO, FIMKO, DEMKO, SEMKO, NOM
SAFETY CERTIFICATIONS	UL1778; CSA22.2 No.107.1,No.107.2,No.950; CB Bulletin No.86AI; 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 intent and UL requirements

For more information about Compaq UPSs or other Compaq products, contact your authorized Compaq reseller or visit our WEBSITE: www.compaq.com

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