



Compaq Rack-Mount UPS

Ultimate Power Protection
for Rack Systems

Efficient Design Saves Rack Space

In the world of Uninterruptible Power Systems (UPSs), it's all about power – the power to protect, the power to communicate, the power to guarantee maximum data integrity. Now you have the power to select the most technically advanced, best-in-class rack-mount UPSs designed to save valuable rack space.

Investment Protection with Compaq Enhanced Battery Management

The Compaq Rack-Mount 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. In addition, the Compaq UPS is equipped with hot swappable batteries, which allow you to replace batteries without powering down the connected equipment.

Intelligent Manageability with Compaq Power Management Software

Compaq Power Management Software is a tightly integrated application within Compaq Insight Manager. With Compaq Power Management Software, you have the ability to monitor and control Compaq UPSs locally or remotely as well as provide system administrators with a full overview of network power conditions. Compaq Power Management Software also allows you to configure startup and shutdown times, issue UPS diagnostic checks, and perform a prioritized shutdown in the event of a power failure.

More Flexibility with Compaq UPS Option Cards and Additional Load Segments

Compaq UPS option cards seamlessly integrate into the option slot in the rear panel of your Compaq 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 three UPSs to work together and to be monitored as one logical UPS — providing enhanced



protection, scalability, and future expandability. With three 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 UPS.

→ Benefits At A Glance

- More critical equipment supported in your rack with space-saving design (2U and 3U).
- Enhanced system flexibility with up to three load segments and support for option cards.
- 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, Compaq's Pre-Failure warranty, and a \$25,000 load protection guarantee.*

COMPAQ

Better answers

MODEL SELECTION GUIDE

MODEL NUMBER	PART NUMBER	POWER OUT	INPUT CONNECTION	OUTPUT CONNECTIONS	DIMENSIONS WxHxD	WEIGHT
LOW VOLTAGE MODELS (100–127 VAC; 60 HZ)						
R1500	242704-001	1440 VA 960 Watt	5-15P	(6) 5-15R	19.0 X 3.5 X 17.5 in 48.26 x 8.89 x 44.5 cm	58 lb 26.31 kg
R1500j ²	242704-291	1440 VA 960 Watt	5-15P	(6) 5-15R	19.0 x 3.5 x 17.5 in 48.26 x 8.89 x 44.5 cm	58 lb 26.31 kg
R3000	242705-001	2880 VA 2250 Watt	L5-30P	(9) 5-15R & (1) L5-30R	19.0 x 5.25 x 22.3 in 48.26 x 13.34 x 56.64 cm	132 lb 59.87 kg
R3000j ²	242705-291	2880 VA 2250 Watt	L6-30P	(9) 5-15R & (1) L6-30R	19.0 x 5.25 x 22.3 in 48.26 x 13.34 x 56.64 cm	132 lb 59.87 kg

HIGH VOLTAGE MODELS (208–240 VAC; 50/60 HZ)³

R1500h	242704-002	1500 VA 960 Watt	IEC-320 (10 A)	(6) IEC-320 (10 A)	19.0 X 3.5 X 17.5 in 48.26 x 8.89 x 44.5 cm	58 lb 26.31 kg
R3000h	242705-002	3000 VA 2250 Watt	IEC-320 (16 A)	(9) IEC-320 (10 A) & (1) IEC-320 (16 A)	19.0 x 5.25 x 22.3 in 48.26 x 13.34 x 56.64 cm	132 lb 59.87 kg
R3000h-NA ⁴	242705-003	3000 VA 2250 Watt	IEC-320 (16 A)	(9) IEC-320 (10 A) & (1) IEC-320 (16 A)	19.0 x 5.25 x 22.3 in 48.26 x 13.34 x 56.64 cm	132 lb 59.87 kg

1. User selectable 100, 110, 120, or 127 VAC. With 100 or 110 VAC selected, unit can operate at 50 Hz. 2. Japanese, 100 volt model. 3. User selectable for 208, 220, 230, or 240 VAC. 4. h-NA indicates North American high voltage model.

ESTIMATED BACKUP TIMES (IN MINUTES)

Load*	R1500 Series	R3000 Series
300 VA	67	187
350 VA	57	160
400 VA	50	140
450 VA	36	124
500 VA	32	112
600 VA	27	93
700 VA	23	80
800 VA	20	56
900 VA	15	50
1000 VA	13	45
1200 VA	11	38
1400 VA	8	32
1500 VA	7	30
1800 VA		21
2000 VA		19
2200 VA		17
2400 VA		14
3000 VA		11

*VA loads are estimates; size UPS according to total actual equipment configurations VA load.

TECHNICAL SPECIFICATIONS

ELECTRICAL INPUT

VOLTAGE	120 and 230 VAC nominal; see Model Selection Guide for user selectable voltages
ON LINE VOLTAGE RANGE	-30%, +20% for nominal; user selectable extended voltage range of -35%, +20%
NOMINAL INPUT FREQUENCY	50/60 Hz; auto-selection (60 Hz only for 120 and 127 VAC)
CONNECTIONS	See Model Selection Guide

ELECTRICAL OUTPUT

ON LINE REGULATION	-10%, +6%; within Computer Business Equipment Manufacturers Association's guidelines (-15%, +10% using extended range)
ON BATTERY REGULATION	<±5% RMS
VOLTAGE WAVE SHAPE	Sine wave, 3% THD
CONNECTIONS	See Model Selection Guide
INTERCONNECTING CORDS	6 ea. IEC-320 (10 A); high voltage models only
BATTERY CHARGING	<3 hrs. to 90% usable capacity
BATTERY TYPE	Sealed, maintenance-free lead-acid; starved electrolyte

COMMUNICATIONS

SERIAL COMMUNICATION	Intelligent serial communication to provide alarms with history, measured parameters, self-test, and many other features
REPO PORT	Remote Emergency Power Off (REPO); allows for shutdown of UPS

ENVIRONMENTAL AND SAFETY

OPERATING TEMPERATURE	0°C – 40°C (32°F – 104°F) UL tested at 25°C (77°F)
STORAGE TEMPERATURE	-20°C – 60°C (-4°F – 140°F)
RELATIVE HUMIDITY	5 – 95% non-condensing
OPERATING ALTITUDE	Up to 3000 meters above sea level
SAFETY MARKINGS	UL and CSA; low voltage models also NOM; high voltage models also CE, VDE, S, FI, N, and D
SAFETY CERTIFICATIONS	UL1778; CSA 22.2; high voltage models also EN50091-1 and IEC60950
EMC MARKINGS	FCC; low voltage models also VCCI; high voltage models also CE
EMISSIONS	FCC Class A; high voltage models also EN50091-2, EN55022, and EC61000-3-2 (CISPR 22 class A for high voltage models)
IMMUNITY	EN50091-2, IEC61000-4-2,3,4,5 and ANSI C62.41 Cat B (formerly IEEE 587)
SURGE SUPPRESSION	Manufactured with surge suppressors that meet UL1449
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](http://www.compaq.com)

*Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

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