

MODELS

Rack-Mountable UPS Models

R1500
242704-001

R3000
242705-001

R3000h-NA
242705-003

Tower UPS Models

T700
295372-B21

T1000
242688-001

T1500
242688-003

T2000
242688-005

T2400h-NA
242688-007

OVERVIEW

Compaq UPS Products

Compaq has developed a full range of Uninterruptible Power Systems (UPS) that protect and manage computer systems ranging from individual workstations to the distributed enterprise.

Rack-Mountable Uninterruptible Power Systems

Compaq rack-mountable UPSs occupy minimal rack space, while providing maximum up time and powerful performance in the event of a power problem for a variety of rack-based systems. The R3000 UPS Series occupies only 3U (5.25 inches/133.35 millimeters) and is an excellent choice for your critical server applications. The R1500 UPS Series is the industry's thinnest rack 1500 VA-class product, occupying only 2U (3.5 inches/88.9 millimeters) in a rack cabinet, and provides optimal rack cabinet power protection for file/print server applications.

Tower Uninterruptible Power Supplies

In addition to Compaq's rack-mountable UPS products, Compaq offers a full range of stand-alone/tower UPSs. From our T700 UPS, which is designed to address workstation and entry-level server applications to our T1000, T1500 T2000 and T2400h Series UPS that address workgroup, departmental, and enterprise server platforms. Regardless of which UPS product you choose, you'll be protected by the full range of features integrated into each of Compaq UPSs.

Ultimate Long-term Battery Reliability

Compaq's exclusive Enhanced Battery Management technology increases battery reliability. This patented technology (available on all Compaq UPS models) enables you to double the life of the battery (an additional 3 to 6 years), provides faster re-charge time and delivers up to 60 days advanced warning of pending battery failure. Buck/Double Boost is an exclusive voltage regulation technology that ensures consistent voltage to critical servers and server options without utilizing the batteries, thereby preserving valuable battery life.

COMPAQ

OVERVIEW *(continued)*

Intelligent Manageability

Compaq Power Management Software is a tightly integrated application within Compaq Insight Manager which enables you to monitor and control Compaq UPSs locally or remotely. Compaq Power Management Software is a versatile, fully configurable alert response application that gives system administrators a full overview of the network's conditions. Compaq Power Management Software enables you to customize messages, command execution, e-mail and broadcast messages, and perform diagnostic checks. Compaq Power Management Software is supported under Microsoft NT 3.51 and 4.0 (Server and Workstation Editions), Microsoft Windows 98, Novell NetWare/IntraNetWare 3.x, 4.x, and 5.x SCO UNIX 5.0 and 5.02, and IBM OS/2 1.21B.

Independently Controlled Load Segments

Compaq UPSs are exclusively designed with independently controlled load segments that allow for prioritized shutdown of multiple servers. Managed through Compaq Power Management Software, each individual load segment can be pre-configured by the system administrator to conduct a prioritized shutdown extending the runtime of your most critical server and increasing hardware and data protection. In addition, independently controlled load segments promote energy and power conservation by facilitating scheduled shutdowns and start-ups during low peak server usage (that is, weekends, holidays, etc.).

Ease of Maintenance with Hot-Swappable Batteries

While Enhanced Battery Management increases battery reliability and service life, battery failure is inevitable. When batteries reach the end of their useful life, replacement is easy with hot-swappable batteries. Compaq UPSs are designed with simple access through the front panel. Users can safely install new batteries without ever powering down connected server and server options.

Compatibility and Integration Testing

Compaq's hardware qualification process is the toughest in the industry. Extensive evaluation, testing, and product improvement guarantee the highest level of system protection, electrical performance, product construction and compatibility.

Warranty

Covered by a three-year, on-site limited warranty

Note: The original equipment manufacturer provides a \$25,000 Computer/Load Protection Guarantee in addition to the Compaq three-year, on-site limited warranty.

Note: Some restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.

SPECIFICATIONS

Battery	Sealed, maintenance-free, lead acid rechargeable
Battery Charging	Enhanced Battery Management extends Battery Life: 3 to 6 years Electrostatic Susceptibility: > 15kV

Low Voltage UPS Models

	UPS T700	UPS T1000 T1500	UPS R1500	UPS T2000	UPS R3000
Power Receptacles	Four 5-15R	Six 5-15R	Six 5-15R	Eight 5-15R	Nine 5-15R One L5-30R
6-ft/2-m. Power Cord	5-15P Plug	5-15P Plug	5-15P Detached Cord	5-20P Plug	L5-30P Plug (10-ft./3-m. cord)
Load Segments	1	2	2	3	3
Modem/ Network Surge Protector Port	Y	Y	N	Y	N

SPECIFICATIONS *(continued)*

	UPS T2400h-NA	UPS R3000h-NA
Output connection	Nine IEC-320 (10A)	Nine IEC-320(10A) One IEC-320 (16A)
Power Cords	6-15P	L6-20P
Input connection	IEC-320 Male Inlet (10A)	IEC-320 Male Inlet (16A)
Load Segments	3	3
Modem/Network Protector	Y	N

Input	
High Voltage UPS Models	Front panel configurable for 208, 220, 230, or 240 VAC, 50/60 Hz No Dip Switches to set
Low Voltage UPS Models	Front panel configurable for 100 ² , 110, 120, or 127 VAC, 50/60 Hz No Dip Switches to set
Output	
	Models ranging from 700 to 3,000 VAC Internal fuse protected battery system On-line regulation -10%, +6%, surpasses CBEMA recommendations for power protection equipment.
Indicators and Controls	
	Front panel indicators provide "at-a-glance" input utility condition, percent of load applied to the UPS, serial communication status, and battery level available to load. Front panel on/off control allows the unit to be started "on battery" to support loads in the absence of utility power.
Choosing the Right UPS	
	To determine which UPS is right for you, just add together the VA ratings of each component in your system (see Figure 1). The result is the maximum output power rating of the typical power supply used in the system.

SPECIFICATIONS (continued)

Figure 1

Product	Watts	VA
Compaq Flat Panel Monitor Rackmount	35	47
14- or 15-inch Compaq Monitor	83	112
4/8 Port Switch Box	87	117
DLT Tape Library Model 20/40	175	236
DLT Tape Library Model 35/70	175	236
SCSI Storage Expander	175	236
Compaq ProLiant™ 850R	200	270
Compaq Prosignia™ 720	200	270
Professional Workstation AP200	200	270
Professional Workstation AP400	200	270
ProLiant 1850R	225	304
CD-Storage System	230	311
ProLiant 800 Pentium Pro Models	240	324
Prosignia 200	280	378
Professional Workstation 5100	280	378
Remote Access Server 5208	280	378
Remote Access Server 5408	280	378
Professional Workstation AP500	325	438.8
Professional Workstation SP700	325	438.8
Professional Workstation 6000	325	439
Professional Workstation 8000	325	439
ProLiant 1600/1600R	325	439
ProLiant 2500/2500R	325	439
ProLiant 800 Pentium II Models	325	439
Prosignia 740	325	439
Remote Access Server 5601	325	439
Fibre Channel Array	350	473
ProLiant Storage System	350	473
ProLiant Storage System U	350	473
ProLiant Storage System UE	350	473
ProLiant 5000/5000R Low Voltage	488	659
ProLiant 3000/3000R Low Voltage	500	675
ProLiant 5500/5500R Low Voltage	500	675
ProLiant 6000 Low Voltage	500	675
ProLiant 5000/5000R High Voltage	540	729
DLTR Array II	550	743
ProLiant 3000/3000R High Voltage	750	1013
ProLiant 5500/5500R High Voltage	750	1013
ProLiant 6000 High Voltage	750	1013
ProLiant 6500 Low Voltage	1000	1350
ProLiant 7000 Low Voltage	1000	1350
ProLiant 6500 High Voltage	1500	2025
ProLiant 7000 High Voltage	1500	2025

Then select the UPS model with a VA rating higher than the equipment load, supporting the amount of backup time you require (Figure 2). To allow for future growth, a good rule of thumb is that the computer load should be about 60 to 80 percent of the UPS VA capacity.

SPECIFICATIONS *(continued)*

Figure 2

Load	T700 Series	T1000 Series	T1500 Series	T2000 Series	T2400 Series	R1500 Series	R3000 Series
300 VA	19	49	79	92	162	67	187
350 VA	16	30	67	79	139	57	160
400 VA	14	26	59	69	122	50	140
450 VA	12	23	43	58	108	36	124
500 VA	9	21	38	51	97	32	112
600 VA	7	16	32	36	81	27	93
700 VA	5	14	27	30	62	23	80
800 VA		12	24	26	54	20	56
900 VA		9	17	23	48	15	50
1000 VA		8	16	20	43	13	45
1200 VA			13	14	36	11	38
1400 VA			10	12	24	8	32
1500 VA			9	10	23	7	30
1800 VA				8	19		21
2000 VA				7	16		19
2200 VA					14		17
2400 VA					13		14
3000 VA							11

Kit Contents

Compaq Uninterruptible Power Supply
 Compaq Power Management Software CD
 Communications Cable
 Documentation
 Rack Mounting Rails (Rack mount models only)

Dimensions (WxHxD)

T700	4.6 x 6.4 x 14.8 in/116.8 x 162.6 x 376 mm
T1000	7 x 8.8 x 17.1 in/177.8 x 223.5 x 444.3 mm
T1500	
T2000	
T2400	
T 2000	7 x 8.8 x 17.1 in/177.8 x 223.5 x 444.3 mm
T2400 (battery boxes)	
R1500	19 x 3.5 x 16 in /482.6 x 88.9 x 406.4 mm
R3000	19 x 5.25 x 22.3 in/482.6 x 133.4 x 566.4 mm

Weight

Tower Models

T700	22 lbs/9.97 kg
T1000	43 lbs/19.5 kg
T1500	57 lbs/25.85 kg
T2000	32 lbs/14.5 kg
T2400h	34 lbs/15.42 kg
T2000 battery box	47 lbs/ 21.3 kg
T2400 battery box	63 lbs/28.57 kg

Rack Models

R1500	58 lbs/26.3 kg
R3000	132 lbs/59.87
R3000h-NA	132 lbs/59.87

COMPATIBILITY

Workstations

Compaq Professional Workstation XP1000
Compaq Professional Workstation SP700
Compaq Professional Workstation AP500
Compaq Professional Workstation AP400
Compaq Professional Workstation AP200

Servers

Compaq ProLiant 8500
Compaq ProLiant 8000
Compaq ProLiant 7000
Compaq ProLiant 6500
Compaq ProLiant 6400R
Compaq ProLiant 6000
Compaq ProLiant 5500R
Compaq ProLiant 5500
Compaq ProLiant 3000R
Compaq ProLiant 3000
Compaq ProLiant 2500R
Compaq *TaskSmart*[™] Server for Internet Caching
Compaq ProLiant 2500
Compaq ProLiant 1850R
Compaq ProLiant 1600R
Compaq ProLiant 1600
Compaq ProLiant 800
Compaq ProLiant 400

SMB

Compaq Prosignia 740
Compaq Prosignia 720
Compaq Prosignia 200