

HP PowerTrust II-LR Enterprise Computing Protection

2kVA (1.4 kW) and 3kVA (2.1kW) Uninterruptible power Solutions - on-line, high frequency double-conversion power protection for mission critical applications.

Advanced Power integrity and management

- PowerTrust II-LR products protect mission critical applications from spikes, sags, surges, noise, lightning, power outages and damage by disruptive harmonics.
- Automatic or manual shut down and recovery of Enterprise systems

On-line, high-frequency technology

- Double-conversion design delivers continuous sine-wave power to connected equipment
- Built-in automatic bypass circuit ensures mission-critical loads are not dropped during overload

Extended runtimes

- Optional external battery packs achieve up to 115 minutes of backup time. (Please see runtime table for specific runtimes)
- External battery packs are hot swappable, ensuring 24x7 operations as removing the battery packs for servicing will not mean taking down the system

Communication

- New PowerTrust II-LR WEB/SNMP Card is a network adapter providing both SNMP and HTTP compatibility. Allows easy monitoring, management and remote shut down of UPS-protected servers, mass storage devices, workstations and other key internetworking devices in a controlled manner.
- Self-contained link between the PowerTrust II-LR UPS and an Ethernet LAN/WAN

Value Added Solution

- The only power protection solution available today that has been designed and tested to meet HP's stringent quality, safety and supportability standards for seam less operation with HP Enterprise Solutions

Reduced rack space and weight

- Utilize the latest transformless power technology - reducing in size to an industry leading 2U per module
- With one external battery pack, both the 2kVA and 3kVA UPS units only need 4U of rack space

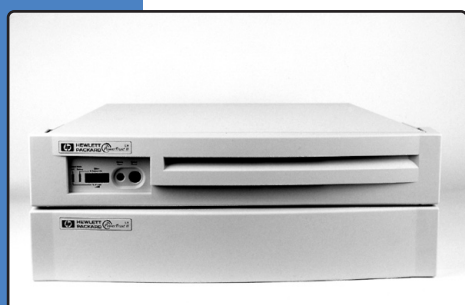


Table 1.

Product Number	Description	Notes
A1353A	PowerTrust II-LR 2.0kVA(1.4kW) UPS 120V	Includes; 1 Battery Pack, rack kit, cable, manuals
A1354A	PowerTrust II-LR 2.0kVA(1.4kW) UPS 230V	Includes; 1 Battery Pack, rack kit, cable, manuals
A1356A	PowerTrust II-LR 3.0kVA(2.1kW) UPS 230V.	Includes; 1 Battery Pack, rack kit, cable, manuals
A1357A	PowerTrust II-LR Battery Pack	Supports up to 5 battery packs per UPS in a rack, and 3 battery packs per UPS floor mount.
A1358A	PowerTrust II-LR RS232 Extension Cable DB9(f)/DB9(m)	Extends RS232 cable by 9m. (use with included cable)
A1359A	PowerTrust II-LR Web/SNMP Card	Allows remote management via Web or SNMP.
A1361A	PowerTrust II-LR Rack Kit for HP Roseowl I Racks	Allows you to change mounting configuration
A1362A	PowerTrust II-LR Rack Kit for HP Roseowl II Racks	Allows you to change mounting configuration

Table 2.

	A1353A	A1354A	A1356A	A1357A
Capacity (VA/Watt)	2000 / 1400	2000 / 1400	3000 / 2100	N/A
Dimensions (Inches)	3.35 x 19.0 x 19.3	3.35 x 19.0 x 19.3	3.35 x 19.0 x 19.3	3.35 x 19.0 x 19.3
H x W x D (mm)	85 x 483 x 490	85 x 483 x 490	85 x 483 x 490	85 x 483 x 490
Input Receptacle Quantity, Type, (Amps)	1 - C20 (16A)	1 - C20 (8A)	1 - C20 (12.8A)	N/A
Output Receptacles	4 - C13 (10A)	4 - C13 (10A)	4 - C13 (10A)	N/A
Quantity, Type, (Amps)	1 - C19 (16A)	1 - C19 (16A)	1 - C19 (16A)	
Input Voltage Range	90 – 138VAC	180 – 260 VAC	180 – 260 VAC	N/A
Output Voltage Range	100/110/(120)/127VAC	208/220/(230)/240VAC	208/220/(230)/240VAC	N/A
(Default factory setting)	Switch selectable	Switch selectable	Switch selectable	
Output Voltage Waveform	Sine Wave	Sine Wave	Sine Wave	N/A
Operating Frequency - on line (user adjustable)	50/60Hz +/-5% auto-sensing (+/-2% and +/-7%)	50/60Hz +/-5% auto-sensing (+/-2% and +/-7%)	50/60Hz +/-5% auto-sensing (+/-2% and +/-7%)	N/A
Transfer Time	On-line 0 ms	On-line 0 ms	On-line 0 ms	N/A
Output Voltage Regulation on-line	Up to 110% for 10 seconds then transfer to inverter	Up to 110% for 10 seconds then transfer to inverter	Up to 110% for 10 seconds then transfer to inverter	N/A
Output Protection	Electronic overload & short circuit protection	Electronic overload & short circuit protection	Electronic overload & short circuit protection	N/A
Recharge Time to 90%	N/A	N/A	N/A	8 hours
Communications	RS-232 serial port WEB/SNMP optional	RS-232 serial port WEB/SNMP optional	RS-232 serial port WEB/SNMP optional	N/A

Table 3.

Runtimes for Typical Applications in Minutes at various load ranges								
UPS	Battery Packs	200W	500W	700W	1000W	1400W	1700W	2000W
A1353A & A1354A 2000VA / 1400Watt	1	165	60	39	23	14	N/A	N/A
	2	314	122	85	57	35		
	3	518	212	155	99	60		
	4	609	248	180	137	85		
	5	716	311	240	184	115		
A1356A 3000VA / 2100Watt	1	156	63	41	26	15	10	8
	2	278	112	78	53	43	30	25
	3	439	178	123	83	64	45	37
	4	654	265	185	126	94	66	53
	5	850	344	244	169	121	85	68

For more information

HP technical documentation is available online at www.eproducts.hp.com. In addition, configuration tools and pricing information allow registered users to place orders online. For registration, please contact your Hewlett-Packard sales representative. Contact any of our worldwide sales offices or HP Channel Partners (in the U.S., call 1-800-637-7740) or visit our HP 9000 N-Class Enterprise Servers Web site at <http://www.complements.hp.com>.

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