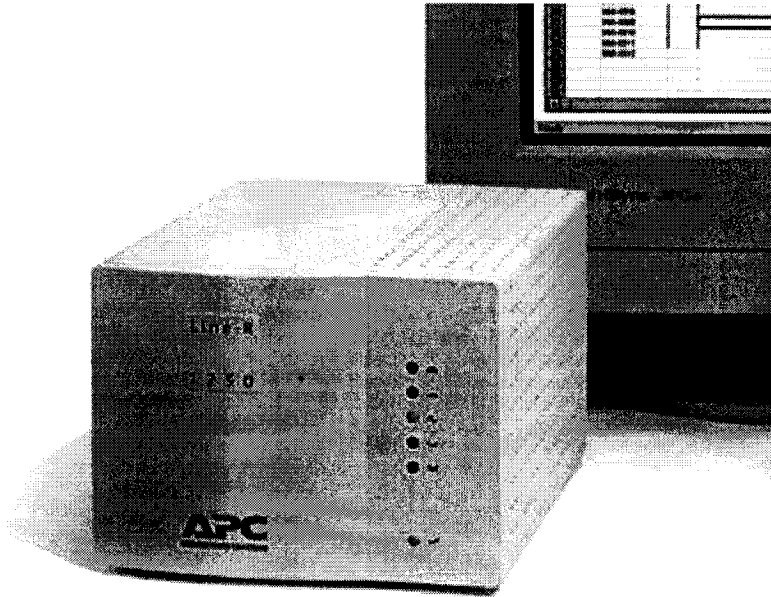


Line-R®



High performance power conditioning



Line-R

While utility power is notoriously unfit for computer loads, the PC's power supply does an admirable job of first defense. Most quality PCs already have a significant degree of isolation and filtering built-in to their power supplies.

Additional protection is required against power events that either deliver much lower or much greater levels of energy than the power supply can sustain. In anticipation of these circumstances, proper protection of loads is essential.

- **Continuous power conditioning keeps you working through extended brownouts and overvoltages**

Many sites have gross variations in line voltage and need a cost-effective solution to correct chronic brownouts and overvoltages. Using a Line-R, you can continue working through brownouts or overvoltages all day long, if necessary, without interruption or data loss.

- **Automatic voltage regulation stabilizes even chronic line voltage variation**

The Line-R is a microprocessor-controlled tap changing power conditioner which automatically corrects brownouts (by boosting low voltage), and overvoltages (by stepping down high voltage) to levels that are safe for your system.

- **Multi-stage surge protection bulletproofs your equipment from surges**

Single technology surge suppression often stops only one type of transient. For instance, it may stop spikes, but have trouble with surges or EMI. Unlike typical single MOV or diode based suppression, Line-R's multi-stage design handles all the problems your equipment is likely to face.

- **Visual and audible indicators alert you to power conditions**

A voltage meter on the Line-R's front panel displays the relative input voltage level and alerts you to low or high voltage conditions. A front panel surge protection integrity light indicates the health of the circuitry. In addition, an audible alarm alerts you to extreme input voltages that cannot be corrected to within the normal output voltage regulation band.

- **High-performance noise isolation prevents glitches**

Full-time EMI/RFI filters prevent electrical noise from affecting computer operation or corrupting your data files.

- **Site-wiring fault indicator for protection assurance**

A site wiring fault indicator spots missing ground and reversed polarity, two common miswirings which usually require an electrician's visit to find.

- **Built-in intelligence extends system life**

The Line-R automatically performs a self-test each time you turn on the system to ensure that

it is running correctly. Its "adaptive mode" also senses and corrects frequent tap changing, thereby reducing wear on the relays for a longer lifespan and quiet operation.

- **2 year warranty**

Unmatched reliability means you can purchase with confidence.

- **Full approvals mean a safe, reliable solution**

UL, CSA, and TUV approvals mean a safe, reliable solution to your power problems.

- **\$25,000 Lifetime Equipment Protection**

For as long as you own your Line-R, if your properly connected equipment is ever damaged by an AC surge, including surges due to lightning, APC will repair or replace our product and up to \$25,000 of connected equipment (US and Canada only, see policy for details).

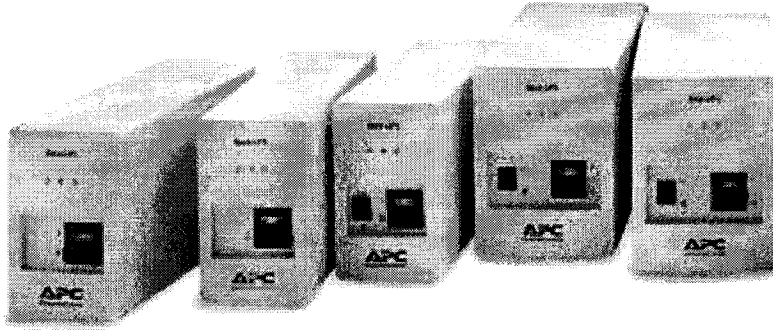
Line-R - part number	Application	Capacity (VA/Watts)	List Price
Line-R 600 - LR600	386/486 systems, POS equipment, small phone systems, industrial control equipment, test equipment, fax machines, home entertainment equipment	600/600	\$179
Line-R 1250 - LR1250	multiple systems, minicomputers, phone systems, industrial control equipment, test equipment, laser printers	1250/1250	\$269



Operation	Line-R 600	Line-R 1250
APC Part Number	LR600	LR1250
Nominal input voltage	120 Vac	
Nominal input frequency	50/60 Hz	
Audible Alarm limits	>150V,	
Maximum input current	8Amp	15Amp
Load Capacity	600VA	1250VA
Overload capacity (at nominal rated input voltage)	125% of full load for 1 min. 150% of full load for 1s.	
Load Power Factor range	0 to 1	
Maximum crest factor	4	
Efficiency	>93%	
Ambient operation	32 - 104°F, 0-95% humidity, 10,000 ft. elevation	
Voltage Regulation	Input (V)	Output (V)
ANSI C84.1 - B	88-150	106-127
117 Vac +/- 5%	92-145	114-126
Surge Supression and Filtering		
UL TVSS Rating	400V	
6kV Peak let through volt., Cat. A ringwave	< 1.8%	
6kV Peak let through volt., Cat. B ringwave	< 4%	
Surge Energy Rating	320J	
Normal, common mode clamping response	0,	
Normal mode EMI/RFI filtering	35-55 dB over 100kHz - 10 MHz	
Physical		
Receptacles (NEMA 5-15R)	4	
Input Line	6ft. line input cord	
Dimensions	5" x 6.75" x 8.37"	
Net Weight	11lb.	15.5lb.
Shipping Weight	12.5lb.	17lb.
Specifications		
Warranty	2 years	
Agency Approvals	UL, CSA, FCC	



Back-UPS®



Best value power protection for stand alone PCs



Back-UPS

- **Instantaneous Backup Power beats blackouts and brownouts**

According to a study by Bell Labs, undervoltages represent the overwhelming majority of power problems likely to hit your computer. Instantaneous power from the Back-UPS prevents data loss caused by outages and brownouts.

- **Lightning and Surge Protection offer maximum hardware protection**

When measured using the test methods detailed in ANSI/IEEE 587 Category "A," the suppression performance of the Back-UPS is superior to virtually all separate surge suppressors. Back-UPS are UL 1449 rated for maximum surge protection.

- **Network-grade Line Conditioning prevents glitches**

Superior line conditioning is built into all Back-UPS and conforms with Novell's recommendations for LAN protection without the need for additional external conditioners.

Full-time EMI/RFI filters prevent electrical noise from affecting computer operation or introducing "glitches" into data files.

- **User Replaceable, Hot-Swappable Batteries lower service costs and increase life span**

Back-UPS models 600 and lower have user-replaceable batteries that can be easily swapped out without powering down the connected load. This saves the time and expense of returning the UPS to the factory for battery service. Replacement battery kits ship in a reusable box for convenient return of exhausted batteries to a recycling center.

- **Communications Interface automatically preserves data integrity**

An interface port (on models Back-UPS 400 and higher) provides a connection for automatic, safe system shutdown for all major network operating systems and Windows PCs.

- **Test Switch for ongoing peace of mind**

A front panel test switch allows you to check for proper operation by initiating a transfer to battery power; this ensures that the UPS is not overloaded and will support the system during an actual power disturbance. The test switch also allows you to estimate battery backup time and ensure adequate runtime for your application. By using the test button to monitor battery status throughout the service life of the UPS, you can estimate when the batteries may need replacing.

- **Site Diagnostics save you trouble and expense**

A site wiring fault indicator automatically spots missing ground and reversed polarity, two common miswirings which usually require an electrician's visit to diagnose.

- **Option Switches allow UPS customization**

User adjustable option switches allow you to customize transfer voltage and alarm settings.

- **Compact Design for efficient use of your workspace**

Back-UPS are designed with aesthetics in mind. These units integrate nicely into your desktop area and allow power control at your fingertips.

- **2 year warranty**

Unmatched reliability means you can purchase with confidence.

- **Full approvals mean a safe, reliable solution.**
UL, CSA and Novell approvals mean a safe reliable solution to your power problems.
- **\$25,000 Lifetime Equipment Protection**
For as long as you own your Back-UPS, if your properly connected equipment is ever damaged by an AC surge, including surges due to lightning, APC will repair or replace our product and up to \$25,000 of connected equipment (US and Canada only, see policy for details).

Back-UPS Model	APC part number	Applications	Capacity	Typical Runtime half/full load (min.)	List Price
Back-UPS 200	BK200B	for energy efficient "green PCs"	200/130	15/5	\$119
Back-UPS 280	BK280B	for network workstations, stand-alone systems, POS terminals	280/180	15/5	\$139
Back-UPS 400	BK400B	for 486 network workstations and standalone systems	400/250	19/5	\$199
Back-UPS 450	BK450	for heavily configured 486 workstations and standalone systems with peripherals	450/300	28/8	\$254
Back-UPS 600	BK600	for heavily configured network workstations, small key and multimedia systems	600/400	22/5	\$359



Dealer Locator Results

Selection criteria:
Area code 800 .

Please call the following in order to purchase an APC Unit.

Name	Contact(s)	Phone	Address	City	State
Printers Plus-Washington, DC		800-877-4683	1140 19th Street, N.W.	Washington	DC
Data Storage Marketing	Matt Lederly	800-543-6098	5718 Central Ave	Boulder	CO
Hi-Tec Sales Association	Dan HYTE	800-438-7487	24 Kings Lacey Way	Fairport	NY

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