PRO-LCD™ Series Line-Interactive UPS

PRO500/700/1100/1500LCD

Capacity

☑ Small ☑ Midsize ☐ Enterprise level

Applications

☑ Workstations ☑ Network/Server ☑ Phone & Security Systems

Our Best-Selling UPS Series Just Got Better

Minuteman Power Technologies launched the original PRO Series Uninterruptible Power Supply (UPS) in 1997, setting the standard for serious protection in a small package. The PRO-E™ Series carried on that tradition, with added features that made it an even better value for users seeking serious power protection and incredible runtime from a compact unit. The all-new PRO-LCD™ is the latest in this series, and like the PRO-E, it offers upgraded features that ensure it will maintain its place as a favorite among users, and one of Minuteman's best-selling lines.

Complete Protection - Incredible Runtime

The PRO-LCD Series of UPSs offer complete protection from all electrical problems, including spikes, surges, sags, brownouts, and blackouts, while occupying little desktop or floor space. Automatic Voltage Regulation (AVR) technology stabilizes power without the use of the internal batteries. The unit boosts incoming AC power during low voltage situations while reducing incoming utility power during high voltage situations, preserving vital battery power for backup during blackouts and extending the life of the batteries.

Users can also benefit from lengthy runtimes thanks to the PRO-LCD's battery layout and highly efficient architecture. The unit is packed with more battery capacity than competitive models, which allows the PRO-LCD to keep equipment running longer when an outage occurs. Efficient components also mean the PRO-LCD has a higher power factor than competitors, allowing each model to support larger loads.

Upgraded Features

The PRO-LCD features many upgrades from previous generations, including an LCD status display which shows the following:

- Input / Output voltage and frequency
- UPS and battery mode / status
- Load capacity
- Estimated runtime based on connected load

In addition to the LCD display, the PRO-LCD also offers:

- 2 Additional Battery Backup Outlets on 500 & 700 VA Models *(6 total battery backup)*
- USB communications port for SentryPlus™ Monitoring & Management Software

Go Green

Minuteman is committed to sustainable business practices, and providing you with both high quality and environmentally conscious solutions. The PRO-LCD features:

- Automatic Shutdown & Restart Capability
- Power Consumption Logging via SentryPlus Software
- RoHS Compliance
- Superior Battery Management for longer battery life

Guaranteed Reliability

Minuteman stands behind all products with both standard warranty and protection plans, along with additional extended warranty options.

- 3-year standard warranty covering all parts and labor, as well as non-prorated coverage of batteries
- 5-year extended warranty plans available
- Platinum Protection Plan® insures properly connected equipment up to $100,000 (U.S. 48 & Canada only)

Para Systems, Inc. | Minuteman Power Technologies
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www.minutemanups.com | www.sizemyups.com

Minuteman® PRO-LCD™ Series Line-Interactive UPS Specifications

Model	PRO500LCD	PRO700LCD	PRO1100LCD	PRO1500LCD
VA•Watts	500 • 350	700 • 490	1100 • 770	1500 • 1050
Topology	Line-Interactive			
Agency approvals	cTUVus (conforms to UL1778, CSA 22.2 Standards), CE, FCC Class B			
Warranty	3-years parts and labor including batteries			
Equipment protection policy	Up to $100,000 (U.S. 48 and Canada only)			
Battery-backup / Surge-protected outlets	6 NEMA 5-15R			
Surge-only outlets	2 NEMA 5-15R			
Input (non-battery operation)				
Voltage range• Frequency range	Default settings: 90V to 150V • 50/60Hz auto-sensing ± 5Hz			
Output (non-battery operation)				
Voltage range	Default Setting: 104VAC to 132VAC			
Frequency	50/60Hz ± 5Hz			
Surge protection	760 Joules			
Output (battery operation)				
Voltage	120VAC			
Voltage regulation	±5% until low battery warning			
Frequency	±0.5Hz unless synchronized to AC line			
Wave form	Simulated Sine Wave (Step Wave)			
Typical transfer time	6 ms typical, 10 ms max.			
Interface and Indicators				
Communications port	Universal Serial Bus (USB) communications cable and Minuteman SentryPlus™ power management and diagnostic software included			
LCD status indicators	AC Normal, On Battery, AVR Mode (Boost & Buck; AC Normal will flash), Overload Icon, Site Wiring Fault (S.L.F.), Internal Fault (F.A.L),			
LCD meter display	Input & Output Voltage, Input & Output Frequency, Connected Load Capacity, Battery Capacity, Estimated Runtime			
Audible alarms	On Battery, Low Battery, Internal Fault, Overload, Weak/Bad/Disconnected Battery			
Battery System				
Hot-swappable battery • Internal battery	Yes • Yes			
Battery module type	BM0048	BM0049	BM0050	BM0051
Battery system	12VDC	24VDC	36VDC	
Typical recharge	8 hours to 90% from total discharge			
Mechanical				
Net dimensions D x W x H in (mm)	11.81 x 6.69 x 7.87 in (300 x 170 x 200 mm)		14.56 x 6.69 x 7.87 in (370 x 170 x 200 mm)	
Net weight lbs. (kg)	17.6 lbs. (8.0 kg)	23.8 lbs. (10.8 kg)	34.2 lbs. (15.5 kg)	39.2 lbs. (17.8 kg)
Shipping dimensions H x W x D	15.16 x 9.84 x 11.22 in (385 x 250 x 285 mm)		18.11 x 10.24 x 11.22 in (460 x 260 x 285 mm)	
Shipping weight lbs. (kg)	19.8 lbs. (9.0 kg)	26.0 lbs. (11.8 kg)	36.4 lbs. (16.5 kg)	41.4 lb (18.8 kg)
Estimated Runtimes				
Runtime @ Rated Load	14.8 min. @ 300W	19.2 min. @ 420W	18.8 min. @ 660W	15.4 min. @ 900W
	38.9 min. @ 150W	47.8 min. @ 210W	45.1 min. @ 330W	38.1 min. @ 450W

Backup runtime information is based on estimates. Actual runtime may vary depending upon the power factors of the protected equipment and the condition of the UPS batteries. See our UPS Selection tool at www.minutemanups.com for your system's runtime.

PRO-LCD Series Features

- Input / Output Voltage & Frequency
- Battery Capacity & Status
- UPS Mode / Fault Display
- Estimated Runtime Remaining
- Power and Display Scroll Buttons

1 Phone / Fax / Network Ports
2 USB Communications Port
3 2 Surge-only Outlets
4 6 Battery Backup & Surge Outlets
5 AC Input Power Cord
6 AC Input Circuit Breaker

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