



**Capacity**

☐ Small ☒ Midsize ☒ Enterprise level

**Applications**

☒ Workstations ☒ Network/Server ☒ Phone & Security Systems

**True On-line UPS Provides Maximum Protection**

**Endeavor® LCD On-line Uninterruptible Power Supply**

In today's 24/7, "always on" business world, downtime is a not an option. Minuteman's Endeavor LCD Series products are engineered to provide the best features that demanding users require for supporting critical applications, while also offering unmatched reliability in a true on-line UPS. This premium-level product provides a sinewave output and is backed with the industry's first comprehensive 5-year warranty, including parts, labor and batteries.

The Endeavor LCD Series delivers continuous power conditioning through Minuteman's double conversion on-line technology, providing emergency backup power with zero transfer time. For extended runtime applications, these products allow the connection of optional external battery packs for long backup times required in certain applications, along with being generator friendly.

The Endeavor LCD Series is designed to protect servers, data storage, switches, and routers used in data centers or network closets, DAS and small cell systems, light industrial applications, telecom and VOIP systems, plus security systems.

Offering premium protection that meets critical application needs, users can confidently rely on Minuteman's Endeavor LCD Series to provide complete power protection when reliability really matters.

**Typical Applications**

- Network Data Centers
- Remote Network Closets
- Security Systems
- Highly-sensitive Equipment
- Education Networks
- DAS and Small Cell Systems
- Telephone and VOIP Systems

- True on-line, double-conversion technology
- Compact case design, (only 2U for all models), for high-density rack installations
- Flexible installation format: Rack/Tower or Wall (with an optional install kit)
- Rackmount ears come attached to UPS
- Easy-to-read LCD display
- 0.9 output power factor
- Highly-efficient, Economy Mode option
- Output receptacle control with three load banks
- Independent Battery Bypass – allows the UPS to provide voltage regulation and spike/surge protection either with dead batteries or without batteries
- Hot-swappable battery replacement
- Cold start capable
- Temperature-compensated charging
- Automatic internal bypass
- Simultaneous USB and RS232 communications
- Site-wiring fault indicator
- Compatible with Minuteman's SentryHD software
- SNMP compatible (with optional card)
- Dedicated EPO port
- External battery pack capability for virtually unlimited runtime
- 1Gbit RJ45 network protection
- A standard five-year warranty (including batteries)
- Green UPS design (RoHS and Energy Star compliant)
- \$200,000 Platinum Protection Plan



**Endeavor® LCD Series models**

ED1000RTLX2U - 1000VA/900W  
ED1500RTLX2U - 1500VA/1350W  
ED2000RTLX2U - 2000VA/1800W  
ED3000RTLX2U - 3000VA/2700W

**Includes SNMP Card**

ED1000RTLX2UNC - 1000VA/900W  
ED1500RTLX2UNC - 1500VA/1350W  
ED2000RTLX2UNC - 2000VA/1800W  
ED3000RTLX2UNC - 3000VA/2700W

208V - 240V models available at  
[minutemanups.com/endeavor208v](http://minutemanups.com/endeavor208v)

# Minuteman® Endeavor® LCD Series On-Line UPS Specifications

UPS Model	ED1000RTXL2U	ED1500RTXL2U	ED2000RTXL2U	ED3000RTXL2U
General Features				
Output VA Capacity	1000	1500	2000	3000
Output Watts Capacity	900	1350	1800	2700
Receptacle Quantity and Type	(8) 5-15R		(8) 5-15/20R / (1) L5-20R (7) 5-15/20R / (1) L5-30R	
Receptacle Load Shedding	(2) Banks of Independently-controlled Receptacles / (1) Bank of Always-on Receptacles			
Input Power Cord Plug (Length)	5-15P (10 feet)		5-20P (10 feet)	L5-30P (10 feet)
Input				
Acceptable Input Voltage	0 – 160VAC			
Power Factor Correction	≥99% at nominal input voltage and with full load			
Efficiency	>90% Full Load – Online Mode (AC-AC) (1kVA) is >96% Full Load – Economy Mode / (1.5kVA – 3kVA) is >97% Full Load – Economy Mode			
Output (Non-battery Operation)				
Waveform	Sine wave			
Nominal Voltage(s) Supported	120VAC Default (110VAC)			
Frequency Range	50/60Hz ±6Hz			
Voltage Regulation (AC Mode)	±2% of nominal voltage			
Voltage Regulation (ECO Mode)	±10% of the Inverter output voltage			
Output (Battery Operation)				
Nominal Voltage	120VAC Default (110VAC adjustable)			
Voltage Regulation	Nominal ±2% (Until Low Battery Warning)			
Frequency	50/60Hz ±0.5Hz (unless synchronized to line)			
Voltage T.H.D.	<3% at Full-rated Linear Load			
Batteries				
Battery Type	Sealed, Non-Spillable, Maintenance-Free, Valve-Regulated, Lead Acid			
Battery Replacement Module	BM0035	BM0036	BM0037	BM0032
Hot-swappable Batteries	Yes			
Runtime (Half Load)	11 minutes	12 minutes	12 minutes	12 minutes
Runtime (Full Load)	3 minutes	3 minutes	4 minutes	3.5 minutes
Compatible External Battery Pack(s)	BP24RTXL / BP24RTEXTL	BP48RTXL / BP48RTEXTL		BP72RTXL / BP72RTEXTL
Communications				
Front Panel Display	LCD and Interactive Controls			
Communication Ports	USB, RS232 (DB9)			
Option Slot	Yes			
Supported Option Slot Cards	SNMP Card, Programmable Relay Card			
EPO Port	Yes			
Environmental				
Operating Temp. (Max)	0° to 40°C (+32° to +104°F)			
Operating Humidity	0% - 95% Non-Condensing			
Operating Elevation	0 to 3,000m (0 to 10,000 ft.)			
Physical				
Installation Type	Rackmount (Default) / Tower / Wallmount (with optional brackets)			
UPS Size (L x W x H)	13.3" x 19" x 3.5"	17" x 19" x 3.5"		24.5" x 19" x 3.5"
UPS Weight	29.3 lbs. / 13.3 Kgs.	45.9 lbs. / 20.8 Kgs.	47.6 lbs. / 21.6 Kgs.	70.5 lbs. / 32 Kgs.
Battery Pack Size (L x W x H)	RTXL: 13.2" x 19" x 3.5"		RTXL: 17" x 19" x 3.5"	
	RTEXTL: 26.8" x 17.3" x 5.2"		RTEXTL: 26.8" x 17.3" x 5.2"	
Battery Pack Weight	RTXL: 38.6 lbs. / 17.5 Kgs.		RTXL: 69.2 lbs. / 31.4 Kgs.	
	RTEXTL: 138.9 lbs. / 63 Kgs.		RTEXTL: 138.9 lbs. / 63 Kgs.	
Warranty & Certifications				
Warranty	5 Years – Parts and Labor, including Batteries			
Safety and Approvals	cTUVus (Conforms to UL1778 5 <sup>th</sup> Edition & CSA 22.2 no. 107.3-14 / R: 2014)FCC Class B (1kVA & 1.5kVA) FCC Class A (2kVA & 3kVA), CE Certified, RoHS2 (EU Directive 2011/65/EU)			
Platinum Protection	\$200,000			



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