

Capacity

- Small Midsize Enterprise level

Applications

- Network/Server VoIP Systems IP/Analog Phone & Security



On-Line UPS, Comprehensive Protection

Minuteman's Encompass Series delivers the comprehensive protection only offered by a true on-line UPS. By totally regenerating the incoming AC signal through double-conversion technology, an on-line UPS provides an impenetrable "electrical firewall," providing the most fail-safe power protection available.

Designed to protect the most critical equipment used in data centers, voice and data communications, security systems, and light industrial applications. The Encompass Series is SNMP-capable (card optional) and allows full device management using Minuteman's SentryHD power monitoring and control software.

The Encompass product line is a value-priced on-line UPS solution that provides an outstanding set of features, true sinewave output, a three-year warranty (including batteries), and is designed to meet the reliability expectations of even the most demanding critical applications. Two form factors are available in the Encompass Series: a tower-only version (EC-LCD) and a rackmount version (EC-RT).



Encompass LCD Tower

Encompass Series Features

- True on-line, double-conversion technology
- Compact tower case design
- Easy-to-read LCD display
- 0.9 output power factor
- Highly-efficient, Economy Mode option
- Output receptacle control
- Independent Battery Bypass – allows the UPS to provide voltage regulation and spike/surge protection either with dead batteries or without batteries
- Tool-less battery replacement
- Hot-swappable battery replacement
- Cold Start capable
- Automatic internal bypass
- Simultaneous USB, RS232 and SNMP communications
- Compatible with Minuteman's SentryHD software
- SNMP compatible (with optional card)
- Dedicated EPO port
- Site Wiring Fault indicator
- Telephone/Network Protection port
- Full three-year warranty (including batteries)
- Green UPS design (RoHS compliant)
- \$150,000 platinum Protection Guarantee



Encompass Rack/Tower

Typical Applications

- Medical/Healthcare (non-life saving applications)
- Laboratory equipment
- Security Systems
- Highly-sensitive equipment
- Education networks

Minuteman® Encompass On-line UPS Specification

UPS Model	EC1000RT2U EC1000LCD	EC1500RT2U EC1500LCD	EC2000RT2U EC2000LCD	EC3000RT2U EC3000LCD
General				
Topology	Double-conversion, On-line, True Sine Wave Output			
VA Rating	1,000VA	1,500VA	2,000VA	3,000VA
Load Capacity	900 Watts	1,350 Watts	1,800 Watts	2,700 Watts
Power Factor	0.9			
Input	5-15P		5-20P	L5-30P
Power Cord Length	10-ft. Power Cord 6-ft. Power Cord		10-ft. Power Cord 6-ft. Power Cord	10-ft. Power Cord 6-ft. Power Cord
Receptacles	(6) 5-15R		(6) 5-15/20R (8) 5-15/20R	(8) 5-15/20R / (1) L5-30R
Installation Type	Rack/Tower Tower or Floor			
Input				
Nominal Voltage	120VAC			
Acceptable Input Voltage	0 – 160VAC			
Frequency Range	50/60Hz, ±6Hz, Auto-sensing			
Power Factor Correction	≥99% at full load			
Efficiency	>89% Full Load, On-line Mode (AC – AC) >96% Full Load, Economy Mode			
Output (Non-battery Operation)				
Voltage Default	120VAC (110/127VAC adjustable)			
Voltage Regulation	±2% of nominal voltage			
Frequency Range	50/60Hz, ±6Hz			
Efficiency (Line Mode)	>89% (Full Load)			
Output (Battery Operation)				
Nominal Voltage	120VAC (110/127VAC adjustable)			
Voltage Regulation	Nominal ±2% (until Low Battery Warning)			
Frequency	50/60Hz, ±0.2Hz (unless synchronized to utility)			
Voltage T.H.D.	≤3% (Full Linear Load)			
Batteries				
Battery Type	Sealed, non-spillable, maintenance-free, valve-regulated lead acid			
Replacement Module	BM0069 BM0076	BM0070 BM0077	BM0071 BM0078	
Runtime (Half Load)	10 minutes	15 minutes	10 minutes	10 minutes
Runtime (Full Load)	2 minutes	5 minutes	3 minutes	3 minutes
Environmental				
Operating Temp. (Max)	0° to 40°C (+32° to +104°F)			
Operating Humidity	10% to 90% Non-condensing			
Operating Elevation	0 to 3,000m (0 to +10,000 ft.)			
Regulatory Compliance				
Safety and Approvals	cULus (UL1778 5 th Edition & CSA 22.2 no. 107.3-14 /R: 2014) FCC Class A, CE certified, RoHS2 (EU Directive 2015/863/EU)			

Rack/Tower Model	EC1000RT2U	EC1500RT2U	EC2000RT2U	EC3000RT2U
Physical				
Unit Size (L x W x H) (with rack ears installed)	16" x 18.9" x 3.5" 407 x 479 x 88mm	19.2" x 18.9" x 3.5" 487 x 479 x 88mm	23.7" x 18.9" x 3.5" 602 x 479 x 88mm	
Unit Weight	24.3 lbs. / 11 Kgs.	44.1 lbs. / 20 Kgs.	65.7 lbs. / 27 Kgs.	
Tower Model	EC1000LCD	EC1500LCD	EC2000LCD	EC3000LCD
Physical				
Unit Size (L x W x H)	15.9" x 6.1" x 10.2" 403 x 154 x 258mm	17.4" x 6.8" x 11.4" 440 x 171 x 288mm	22.4" x 7.6" x 12.6" 567 x 192 x 320mm	
Unit Weight	28.2 lbs. / 12.8 Kgs.	48.1 lbs. / 21.8 Kgs.	73.0 lbs. / 33.1 Kgs.	
Extended Battery Packs (For LCD models only)				
BP Part Number	BP24XL	BP48XL	BP72XL	



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⚠ These products can expose you to chemicals, including lead compounds or nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65warnings.ca.gov/product



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