

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 rack/tower version (EC-RT).



Encompass LCD Tower

Encompass Series Features

- True on-line, double-conversion technology
- 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 (RoHS2 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 | (6) 5-15/20R / (1) L5-30R (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. | | 59.5 lbs. / 27.0 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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