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.
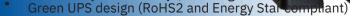
T he Encompass product line is a value-priced on-line UPS solution that provides an outstanding set of features, true sinewave output, a three-year warranty (including batteries), and is designed to meet the reliability expectations of even the most demanding critical applications.

Typical Applications

- Network Data Centers
- Remote Network Closets
- Security Systems
- Highly-sensitive Equipment
- Education Networks

- True on-line, double-conversion technology
- Compact case design, (only 2U for all models), for high-density rack installations.
- Flexible installation format: Rack/Tower 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 two controllable 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
- Automatic internal bypass
- Simultaneous USB and RS-232 communications
- Compatible with Minuteman's SentryHD software
- SNMP compatible (with optional card)
- Dedicated EPO port
- Full three-year warranty (including batteries)
- Green UPS design (RoHS2 and Energy Star compliant)
- $150,000 Platinum Protection Plan

Minuteman® Encompass On-Line UPS Specification

UPS Model General Features	EC1000RT2U	EC1500RT2U	EC2000RT2U	EC3000RT2U
Output VA Capacity	1000	1500	2000	3000
Output Watts Capacity	900	1350	1800	2700
Receptacle Quantity and Type	(6) 5-15R		(6) 5-15/20R	(6) 5-15/20R / (1) L5-30R
Receptacle Load Shedding	(2) Independently Controllable Banks of Three Receptacles / (L5-30R is Always-On)			
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 Full Load			
Efficiency	>90% Full Load, Online Mode (AC-AC) / >96% Full Load, Economy Mode (AC-AC)			
Output (Non-battery Operation)				
Waveform	Sine wave			
Nominal Voltage(s) Supported	120VAC Default (110/127VAC)			
Frequency Range	50/60Hz, ±6Hz			
Voltage Regulation (AC Mode)	±2% of Nominal Voltage			
Voltage Regulation (ECO Mode)	±10% of the Rated Input Voltage			
Output (Battery Operation)				
Nominal Voltage	120VAC Default (110/127VAC)			
Voltage Regulation	Nominal ±2% (until Low Battery Warning)			
Frequency	50/60Hz, ±0.2%Hz (unless synchronized to utility)			
Voltage T.H.D.	≤3% (Full Linear Load)			
Batteries				
Battery Type	Sealed, Non-Spillable, Maintenance Free, Value Regulated Lead Acid			
Battery Replacement Module	BM0069	BM0070		BM0071
Hot-swappable Batteries	Yes			
Runtime (Half Load)	10 minutes	15 minutes	10 minutes	10 minutes
Runtime (Full Load)	2 minute	5 minutes	3 minutes	3 minutes
Compatible External Battery Pack(s)	(Not Applicable)			
Communications				
Front Panel Display	LCD, LED 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	10% to 90%, Non-condensing			
Operating Elevation	0 to 3,000m (0 to 10,000 ft.)			
Physical				
Installation Type	Rackmount (Default) / Tower			
UPS Size (L x W x H)	16" x 18.9" x 3.5"	19.2" x 18.9" x 3.5"		23.7" x 18.9" x 3.5"
UPS Weight	24.3 lbs. / 11 Kgs.	44.1 lbs. / 20 Kgs.		59.5 lbs. / 27 Kgs.
Battery Pack Size (L x W x H)	(Not Applicable)			
Battery Pack Weight	(Not Applicable)			
Warranty & Certifications				
Warranty	3 Years – Parts and Labor, including Batteries			
Safety and Approvals	cTUVus (Conforms to UL1778 5th Edition & CSA 22.2 no. 107.3-14/R: 2014) FCC Class A, CE Certified, Energy Star Certified, RoHS2 (EU Directive 2011/65/EU)			
Platinum Protection	$150,000			

1 10 ft. Power Cord
2 Input Circuit Breaker
3 Cooling Fan
4 Load Bank 1
5 Load Bank 2
6 Phone/Network Surge
7 Remote EPO Port
8 RS-232 Communications
9 USB Communications
10 Accessory Slot