



EXR750RT2U  
EXR1000RT2U  
EXR1500RT2U  
EXR1500RTHV  
EXR2000RT2U  
EXR3000RT2U  
EXR3000RTHV

## EXR™ UPS Series Line Interactive Uninterruptible Power Supply

### Backup Versatility Redefined: Line Interactive Technology with True-sinewave output

#### EXR™ Uninterruptible Power Supply

The Minuteman EXR™ Series UPS offers a true sine wave output, robust features, and versatile configuration options for a full range of critical networking applications.

Line interactive sine wave rack/wall/tower UPSs with LCD Display for network data centers, remote IDF/MDF network closets, security systems, and education networks.

#### Ultra-Configurable Value for Large Systems

The EXR™ Series offers users a robust and advanced line interactive UPS offering. New features include higher power factor, auto-recognition of external battery packs for a smarter extended run-time solution, tool-less battery connection and replacement and so much more!

The EXR™ Series UPSs offer complete protection from all electrical problems, including spikes, surges, sags, brownouts, and blackouts, in a versatile rack/tower convertible format. True sine wave electrical output ensures the best power for sensitive electronic equipment.

#### Optional Accessories

- SNMP communication card
- Programmable relay card
- External battery pack

#### Typical Applications

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



# EXR™ UPS Series

## Line Interactive Uninterruptible Power Supply

| UPS Model                              | EXR750RT2U   | EXR1000RT2U                         | EXR1500RT2U<br>(EXR1500RTHV)      | EXR2000RT2U  | EXR3000RT2U<br>(EXR3000RTHV) |
|--|--|-------------------------------------|-----------------------------------|--|------------------------------|
| <b>General Features</b>                |  |                                     |                                   |  |                              |
| Topology                               | Line-interactive, True sine wave   |                                     |                                   |  |                              |
| Maximum Power Capacity<br>(VA / Watts) | 750/675  | 1,000/900                           | 1,500/1350                        | 2,000/1,800  | 3,000/2,700                  |
| Installation Format(s)                 | Rack/Tower or Wall (with optional installation kit)  |                                     |                                   |  |                              |
| <b>Input</b>                           |  |                                     |                                   |  |                              |
| Input Voltage Range                    | 80 to 164VAC (150 – 271VAC)  |                                     |                                   |  |                              |
| Frequency Range                        | 50/60Hz, ±6Hz auto-sensing   |                                     |                                   |  |                              |
| Input Plug Type<br>(Cord Length)       | NEMA 5-15P (10-ft.)  | NEMA 5-15P (10-ft.)<br>(NEMA 6-15P) | NEMA 5-20P<br>(10-feet)           | NEMA L5-30P (10 ft.)<br>(NEMA L6-30P)              |                              |
| Input Surge Protection                 | Resettable Circuit Breaker   |                                     |                                   |  |                              |
| Maximum Input Current                  | 10 Amps  | 12 Amps                             |                                   | 16 Amps  | 24 Amps                      |
| Surge Joule Rating                     | 1,000 Joules (800 Joules)  |                                     |                                   |  |                              |
| Surge Protection Port(s)               | 1Gbit RJ45 Ethernet (in/out)   |                                     |                                   |  |                              |
| <b>Output</b>                          |  |                                     |                                   |  |                              |
| Output Voltage Range<br>(AC Mode)      | 120VAC: 101 – 136VAC (208VAC: 186 – 236VAC)  |                                     |                                   |  |                              |
| Output Voltage Range<br>(Battery Mode) | Nominal ±5% - until Low Battery Warning  |                                     |                                   |  |                              |
| Output Waveform<br>(Battery Mode)      | True sine wave   |                                     |                                   |  |                              |
| Output Receptacles (120V)              | (8) NEMA 5-15R   | (8) NEMA 5-15R                      | (8) NEMA 5-20R<br>(1) NEMA L5-20R | (6) NEMA 5-20R<br>(1) NEMA L5-30R                  |                              |
| Output Receptacles (208V)              | -  | (6) NEMA 6-15R                      | -                                 | (6) NEMA 6-15/20R<br>(1) NEMA L6-30R               |                              |
| <b>Batteries</b>                       |  |                                     |                                   |  |                              |
| Replacement Module                     | BM0086   | BM0086                              | BM0087                            | BM0088   | BM0089                       |
| Tool-less Battery<br>Replacement       | Yes  |                                     |                                   |  |                              |
| Runtime (Full/Half Load)               | 7 / 19 minutes   | 4 / 13 minutes                      | 2.5 / 9 minutes                   | 4.5 / 13 minutes                                   | 2.5 / 10 minutes             |
| Ind. Battery Bypass                    | Yes  |                                     |                                   |  |                              |
| DC Startup                             | Yes  |                                     |                                   |  |                              |
| Hot-swappable Batteries                | Yes  |                                     |                                   |  |                              |
| <b>Display &amp; Communications</b>    |  |                                     |                                   |  |                              |
| Front Panel Display                    | LCD Dot-Matrix display with four LED icons   |                                     |                                   |  |                              |
| Battery Function Alarms                | On Battery, Low Battery, Depleted Battery, Weak/Bad/Disconnected Battery, Replace Battery  |                                     |                                   |  |                              |
| Alarm Silencer                         | Yes  |                                     |                                   |  |                              |
| Shutdown Software                      | SentryHD (downloadable)  |                                     |                                   |  |                              |
| Communication Port(s)                  | USB, RS232, EPO, Option card slot  |                                     |                                   |  |                              |
| Comm. Cables Included                  | Yes  |                                     |                                   |  |                              |
| <b>Environmental</b>                   |  |                                     |                                   |  |                              |
| Operating Temp. Range<br>(max)         | 0 to 40°C (+32 to +104°F)  |                                     |                                   |  |                              |
| Operating Humidity Range               | 0 - 95% Non-Condensing   |                                     |                                   |  |                              |
| Operating Elevation                    | 0 to 3000m (0 to +10,000 ft)   |                                     |                                   |  |                              |
| <b>Physical</b>                        |  |                                     |                                   |  |                              |
| Unit Dimensions (L x W x H)            | 17.32" x 18.96" x 3.48" (440 x 481.6 x 88.5 mm)  |                                     |                                   | 23.62" x 18.96" x 3.48"<br>(600 x 481.6 x 88.5 mm) |                              |
| Unit Weight                            | 41.7 lbs.<br>(18.9Kgs)   | 41.7 lbs. (18.9Kgs)                 | 43.0 lbs. (19.5 Kgs)              | 71.9 lbs.<br>(32.6 Kgs)                            | 77.6 lbs. (35.2 Kgs)         |
| <b>Warranty &amp; Certifications</b>   |  |                                     |                                   |  |                              |
| Standard Warranty                      | 3 years / electronics and batteries  |                                     |                                   |  |                              |
| Connected Equipment<br>Guarantee       | \$100,000  |                                     |                                   |  |                              |
| Safety and Approvals                   | cULus (UL1778 5th Edition & CSA 22.2 no. 107.3-14 / R: 2014), FCC Class B, CE & NOM certified, EnergyStar 2.0, RoHS2 (EU Directive 2011/65/EU & 2015/863/EU) |                                     |                                   |  |                              |