

ED6000T/ED6200T 6000VA/4200W
ED10000T/ED10200T 10000VA/7000W

On-line, Single-phase Parallel Redundant UPS System

The Endeavor Tower Series is yet another option for applications that require the best protection available. This feature-rich, single-phase, true on-line UPS has been designed to support large loads for data centers, large telephone systems, and other mission-critical applications.

A perfectly regulated, continuous sine wave output with zero transfer time offers guaranteed uptime and compatibility with all equipment types.

- True on-line topology with pure sine wave output
- Single-phase, 208 input, 120/208/240 output options
- Parallel configurations for 6, 10, 12, 20, and 24kVA
- LCD and LED visual indicators
- Extended runtime with external battery packs
- Digital signal processor (DSP) controlled
- Intelligent self-diagnosis
- Emergency Power-off (EPO)
- Communications capability via RS-232 or optional SNMP (2 slots)
- High input Power Factor and low voltage THD
- Energy efficient UPS
- Remotely test the major operating functions of UPS
- Optional maintenance bypass



Endeavor 6 and 10 kVA Tower On-line UPS Specifications

| MODEL | ED6000T ¹ | ED6200T | ED10000T ¹ | ED10200T |
|--|--|----------------|-----------------------|-----------------|
| Topology | Double-Conversion On-Line, True Sine wave | | | |
| Maximum Power Capacity | 6000VA/4200Watts | | 10000VA/7000Watts | |
| INPUT | | | | |
| Number of Phases | Single (1Ø 2W +G) | | | |
| Nominal/ Acceptable Input Voltage | 208VAC / 0 - 300VAC | | | |
| Voltage Range | 160* - 280VAC | | | |
| Power Factor Correction | ≥98% at Full Load | | | |
| Frequency Limits | 50/60Hz +/-5Hz autosensing | | | |
| Low/High Voltage Transfer Point | 160V resets to utility power at 175V or higher / 280V resets to utility power at 265V or lower | | | |
| Protection | Re-settable Circuit Breaker | | | |
| OUTPUT | | | | |
| Waveform Type | True Sinewave | | | |
| Nominal Voltage | 120VAC & 208/240VAC | 208/240VAC | 120VAC & 208/240VAC | 208/240VAC |
| Voltage Regulation | +/-2% (until Low Battery Warning) | | | |
| Frequency | 50/60Hz +/-0.2Hz (unless synchronized to utility) | | | |
| Voltage T.H.D. | ≤3% (Linear load) | | | |
| Dynamic Response | +/-5% @ 100% Load change in 100ms | | | |
| Transfer Time | 0ms | | | |
| Slew Rate | ≤1Hz / second | | | |
| Efficiency (Line Mode) | >87% (Full Load) | | | |
| Crest Factor | 3:01 | | | |
| Overload Capacity | ≥105% - ≤155% for 160 seconds, ≥156% shutdown immediately | | | |
| Protection | Over-Current, Short-Circuit and Latching Shutdown | | | |
| PROTECTION AND FILTERING | | | | |
| Surge Energy Rating/ Capability | 1050 J / 6500 Amps total | | | |
| Surge voltage let-through | <5% (as a percentage of an applied ANSI C62.41 Cat. A +/-6KV) | | | |
| Noise Filter | Normal and common mode EMI/RFI suppression | | | |
| Audible Noise at 1 m (3 ft.) | <50dB | | | |
| ¹ (Has an internal Galvanic isolation step-down transformer) | | | | |
| * 160 - 280VAC at loads <50% of the rated capacity * 175 - 280VAC at loads <75% of the rated capacity* 180 - 280VAC at loads >75% of the rated capacity | | | | |
| BATTERY | | | | |
| Type | Sealed, Non-Spillable, Maintenance Free, Value Regulated, Lead Acid | | | |
| Typical Recharge Time | 8 hours from total discharge | | | |
| Typical Battery Life | 3 - 5 years, depending on the number of charge and discharge cycles, and ambient temperature | | | |
| System Voltage | 240VDC | | | |
| Quantity/Rating | 20-12V7.2Ah | | 20-12V9Ah | |
| Runtime (full/half load) | 8/21 minutes | | 5/15 minutes | |
| ENVIRONMENTAL | | | | |
| Operating Temp (max) | 0 to 40°C (+32 to +104°F) ≤2000m (≤+6700 ft) 0 to 35°C (+32 to +95°F) at 3000m (+10,000 ft) | | | |
| Storage Temp | -15 to +45°C (+5 to +113°F) | | | |
| Operating/Storage Humidity | 30 - 90% Non-Condensing | | | |
| Storage Elevation | 0 to 15,000m (0 to +50,000 ft) | | | |
| PHYSICAL | | | | |
| Size - Net | 25.4 x 11.4 x 29.4 in | | 25.4 x 11.4 x 34.7 in | |
| D x W x H | 645 x 290 x 748mm | | 645 x 290 x 881mm | |
| Weight - Net | 275 lb (125 kg) | 165 lb (75 kg) | 374 lb (170 kg) | 264 lb (120 kg) |
| Size - Shipping | 31.9 x 18.4 x 38.5 in | | 31.9 x 18.4 x 43.7 in | |
| D x W x H | 810 x 468 x 961mm | | 810 x 468 x 1110mm | |
| Weight - Shipping | 313 lb (142 kg) | 203 lb (92 kg) | 412 lb (187 kg) | 302 lb (137 kg) |
| REGULATORY COMPLIANCE | | | | |
| Safety and Approvals | UL 1778, cUL (CSA 22.2 no. 107.1), CE (EN62040-1-1) | | | |
| EMC | CE (EN62040-2, EN61000-3-2, EN61000-3-3), FCC Class A | | | |
| OPTIONAL EXTERNAL BATTERY PACKS | | | | |
| Model | EDBP6000T | | EDBP10000T | |
| OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE KITS | | | | |
| ED6-MTBS2 - External Maintenance Bypass Kit for ED12000RM and ED12000T, ED6-MTBS4 - External Maintenance Bypass Kit for ED18000RM(T), ED24000RM(T) AND ED20000T, and ED6-PARALLEL - Parallel Cable Kit | | | | |
| OPTIONAL COMMUNICATIONS | | | | |
| ED6-AS400 - Optional AS400 card, and SNMP-NET Card - Network interface card for SNMP applications. Built in communications capability. Minuteman SentryPlus Software. | | | | |



Full line of Minuteman power technology products:

The Minuteman power technology product line to includes:

- Uninterruptible Power Supply (UPS) systems
- Power Distribution Units (PDUs)
- Remote Power Managers (RPMs)
- Keyboard-Video-Mouse (KVM) systems
- Surge suppressors
- Power monitoring and management software