

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



Easy to read digital display

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	25.4 x 11.4 x 29.4 in
D x W x H	645 x 290 x 748mm		645 x 290 x 881mm	645 x 290 x 748mm
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	31.9 x 18.4 x 38.5 in
D x W x H	810 x 468 x 961mm		810 x 468 x 1110mm	810 x 468 x 977mm
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 (PDU)s**
- **Remote Power Managers (RPM)s**
- **Keyboard-Video-Mouse (KVM) systems**
- **Surge suppressors**
- **Power monitoring and management software**



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