

### Endeavor 5-10kVA Bundles

- These units are sold in **ready-to-install bundles** - except for additional battery packs, there is no need to order components individually
- The chart below lists the available bundles and their contents

- **240V In/Out available by ordering ED-240VAC with bundle**
- Get complete info and model listing at: [minutemanups.com/endeavor510](http://minutemanups.com/endeavor510)
- Get sizing & selection help at: [SizeMyUPS.com](http://SizeMyUPS.com)

| Component | Description               |
|-----------|---------------------------|
| CU        | UPS Control Unit          |
| BP        | External Battery Pack     |
| XFR       | Full Capacity Transformer |
| 5TF       | 5kVA Capacity Transformer |
| MTBS      | Maintenance Bypass Switch |

### 208 Input & Output

| Bundle Model No.   | CU | XFR | BP            | MTBS | Input | Output | Input Type          | Output Type | Rack Height |
|--|----|-----|---------------|------|-------|--------|---------------------|-------------|-------------|
| ED5200RTXL   | ✓  | -   | (1) BP192RTXL | -    | 208V  | 208V   | HW / L6-30P Pigtail | HW          | 4U          |
| ED6200RTXL   | ✓  | -   | (1) BP192RTXL | -    | 208V  | 208V   | HW / L6-30P Pigtail | HW          | 4U          |
| ED8200RTXL   | ✓  | -   | (1) BP240RTXL | -    | 208V  | 208V   | HW                  | HW          | 6U          |
| ED10200RTXL  | ✓  | -   | (1) BP240RTXL | -    | 208V  | 208V   | HW                  | HW          | 6U          |
| <b>w/ Maintenance Bypass Switch (add 3U if rack mounting MTBS)</b> |    |     |               |      |       |        |                     |             |             |
| ED5200RTXLMB   | ✓  | -   | (1) BP192RTXL | ✓    | 208V  | 208V   | HW / L6-30P Pigtail | HW          | 4U (7U)     |
| ED6200RTXLMB   | ✓  | -   | (1) BP192RTXL | ✓    | 208V  | 208V   | HW / L6-30P Pigtail | HW          | 4U (7U)     |
| ED8200RTXLMB   | ✓  | -   | (1) BP240RTXL | ✓    | 208V  | 208V   | HW                  | HW          | 6U (9U)     |
| ED10200RTXLMB  | ✓  | -   | (1) BP240RTXL | ✓    | 208V  | 208V   | HW                  | HW          | 6U (9U)     |

### 208V Input, 120 & 208V Output

| Bundle Model No.  | CU | XFR | BP            | MTBS | Input | Output     | Input Type          | Output Type                        | Rack Height |
|---|----|-----|---------------|------|-------|------------|---------------------|------------------------------------|-------------|
| ED5000RTXL  | ✓  | ✓   | (1) BP192RTXL | -    | 208V  | 120 / 208V | HW / L6-30P Pigtail | 6 5-15/20R, 1 L6-20R, 1 L6-30R     | 6U          |
| ED6000RTXL  | ✓  | ✓   | (1) BP192RTXL | -    | 208V  | 120 / 208V | HW / L6-30P Pigtail | 6 5-15/20R, 1 L6-20R, 1 L6-30R     | 6U          |
| ED8000RTXL  | ✓  | ✓   | (1) BP240RTXL | -    | 208V  | 120 / 208V | HW                  | HW, 8 5-15/20R, 1 L6-20R, 1 L6-30R | 9U          |
| ED10000RTXL   | ✓  | ✓   | (1) BP240RTXL | -    | 208V  | 120 / 208V | HW                  | HW, 8 5-15/20R, 1 L6-20R, 1 L6-30R | 9U          |
| <b>w/ Maintenance Bypass Switch (add 3U if rack mounting MTBS)</b>                        |    |     |               |      |       |            |                     |                                    |             |
| ED5000RTXLMB  | ✓  | ✓   | (1) BP192RTXL | ✓    | 208V  | 120 / 208V | HW / L6-30P Pigtail | 6 5-15/20R, 1 L6-20R, 1 L6-30R     | 6U (9U)     |
| ED6000RTXLMB  | ✓  | ✓   | (1) BP192RTXL | ✓    | 208V  | 120 / 208V | HW / L6-30P Pigtail | 6 5-15/20R, 1 L6-20R, 1 L6-30R     | 6U (9U)     |
| ED8000RTXLMB  | ✓  | ✓   | (1) BP240RTXL | ✓    | 208V  | 120 / 208V | HW                  | HW, 8 5-15/20R, 1 L6-20R, 1 L6-30R | 9U (12U)    |
| ED10000RTXLMB   | ✓  | ✓   | (1) BP240RTXL | ✓    | 208V  | 120 / 208V | HW                  | HW, 8 5-15/20R, 1 L6-20R, 1 L6-30R | 9U (12U)    |
| <b>w/ 5kVA Max Transformer / Maintenance Bypass Switch (add 3U if rack mounting MTBS)</b> |    |     |               |      |       |            |                     |                                    |             |
| ED8000RTXL5TF   | ✓  | 5TF | (1) BP240RTXL | -    | 208V  | 120 / 208V | HW                  | 6 5-15/20R, 1 L6-20R, 1 L6-30R     | 8U          |
| ED10000RTXL5TF  | ✓  | 5TF | (1) BP240RTXL | -    | 208V  | 120 / 208V | HW                  | 6 5-15/20R, 1 L6-20R, 1 L6-30R     | 8U          |
| ED8000RTXL5TFMB   | ✓  | 5TF | (1) BP240RTXL | ✓    | 208V  | 120 / 208V | HW                  | HW, 6 5-15/20R, 1 L6-20R, 1 L6-30R | 8U (11U)    |
| ED10000RTXL5TFMB  | ✓  | 5TF | (1) BP240RTXL | ✓    | 208V  | 120 / 208V | HW                  | HW, 6 5-15/20R, 1 L6-20R, 1 L6-30R | 8U (11U)    |

### 208V Parallel Configurations

| Bundle Model No. | CU   | XFR | BP            | MTBS   | Input | Output | Input Type | Output Type | Rack Height |
|------------------|------|-----|---------------|--------|-------|--------|------------|-------------|-------------|
| ED10000RTXL      | ✓(2) | -   | (2) BP192RTXL | ✓      | 208V  | 208V   | HW         | HW          | 8U (11U)    |
| ED12000RTXL      | ✓(2) | -   | (2) BP192RTXL | ✓      | 208V  | 208V   | HW         | HW          | 8U (11U)    |
| ED16000RTXL      | ✓(2) | -   | (2) BP240RTXL | ✓(20K) | 208V  | 208V   | HW         | HW          | 12U (15U)   |
| ED20000RTXL      | ✓(2) | -   | (2) BP240RTXL | ✓(20K) | 208V  | 208V   | HW         | HW          | 12U (15U)   |

HW = Hardwire Terminal Block

# Minuteman® Endeavor 5-10kVA Online Rackmount UPS Specifications

| General                  | Model Number - 208V (240V Opt.) Output (120V Capable)                               | ED5200RTXL (ED5000RTXL)   | ED6200RTXL (ED6000RTXL)                     | ED8200RTXL (ED8000RTXL)  | ED10200RTXL (ED10000RTXL)        |
|--------------------------|---|---|---|--|----------------------------------|
|                          | Maximum Power Capacity  | 5000VA / 4500W (4556VA / 4100W)   | 6000VA / 5400W (5556VA / 5000W)             | 8000VA / 7200W (6889VA / 6200W)  | 10000VA / 9000W (8889VA / 8000W) |
|                          | Topology  | Double Conversion Online, True Sine Wave  |   |  |                                  |
|                          | Input Plug Type   | Hardwire / L6-30P/pigtail cord included (Hardwire / L6-30P/pigtail cord included)                 |   | Hardwire Only (Hardwire Only)  |                                  |
|                          | Output Outlet Type  | Hardwire Only (6 - NEMA 5-15/20R, 1 - L6-20R, 1-L6-30R)   |   | Hardwire Only (8 - NEMA 5-15/20R, 1 - L6-20R, 1 - L6-30R)                                      |                                  |
| Input                    | Number of Phases  | Single (1 $\phi$ 2W + G)  |   |  |                                  |
|                          | Nominal Voltage   | 208 (240VAC factory configurable option)  |   |  |                                  |
|                          | Acceptable Input Voltage  | 0 - 300VAC  |   |  |                                  |
|                          | Voltage Range   | 156 - 280VAC  |   | 180 - 280VAC   |                                  |
|                          | Power Factor Correction   | ≥99% at Full Load   |   |  |                                  |
|                          | Frequency Limits  | 40 to 70Hz at Full Load   |   |  |                                  |
|                          | Low Voltage Transfer Point  | 156/180 resets to Utility Power at 166/190VAC or higher   |   |  |                                  |
|                          | High Voltage Transfer Point   | 280VAC resets to Utility Power at 270VAC or lower   |   |  |                                  |
|                          | Input Protection  | Resettable Circuit Breaker  |   |  |                                  |
|                          | Output: Online  | Voltage Range   | 208VAC: 204 - 212VAC (240VAC: 235 - 245VAC) |  |                                  |
| Voltage Regulation       |   | Nominal +/-2%   |   |  |                                  |
| Frequency Range          |   | 50/60Hz, auto selecting, +/-0.1Hz (unless synchronized to utility)                                |   |  |                                  |
| Efficiency (Online Mode) |   | >90% (Full Load)  |   |  |                                  |
| Output: Battery          | Waveform Type   | True Sine Wave  |   |  |                                  |
|                          | Nominal Voltage   | Default: 208VAC, User-selectable:220/230/240VAC   |   |  |                                  |
|                          | Voltage Regulation  | Nominal +/-2% (until Low Battery warning)   |   |  |                                  |
|                          | Frequency   | 50/60Hz, +/-0.1Hz   |   |  |                                  |
|                          | Voltage T.H.D.  | ≤2% (Linear Load)   |   |  |                                  |
|                          | Dynamic Response  | +/-5% @ 100% Load change in 30ms  |   |  |                                  |
|                          | Transfer Time   | 0 ms  |   |  |                                  |
|                          | Slew Rate   | ≤1Hz / second   |   |  |                                  |
|                          | Crest Factor  | 3 : 1   |   | 2.7 : 1  |                                  |
|                          | Overload Capacity   | ≥106% - ≤110% for 10 minutes / ≥111% - ≤125% for 5 minutes / ≥126% - ≤150% for 30 seconds         |   |  |                                  |
| Battery                  | System Voltage  | 192VDC  |   | 240VDC   |                                  |
|                          | Runtime: Full Load (minutes)  | 4   | 3   | 5  | 4                                |
|                          | Runtime: Half Load (minutes)  | 12  | 11  | 13   | 12                               |
| Surge Protection         | Surge Energy Rating   | 1050J   |   |  |                                  |
|                          | Surge Current Capability  | 6500 Amps total   |   |  |                                  |
|                          | Surge Response Time   | 1.2 $\mu$ s normal mode; <50 $\mu$ s common mode  |   |  |                                  |
|                          | Surge voltage let-through (as a percentage of an applied ANSI C62.41 Cat. B +/-4kV) | <10%  |   |  |                                  |
|                          | Noise Filter  | normal and common mode EMI/RFI suppression  |   |  |                                  |
|                          | Audible Noise at 1m (3 ft.)   | <60dBA  |   |  |                                  |
| Environmental            | Operating Temperature (max)   | 0 to +40°C (+32 to +104°F)  |   |  |                                  |
|                          | Storage Temperature   | -15 to +50°C (+5 to +122°F)   |   |  |                                  |
|                          | Operating/Storage Humidity  | 0 ~ 95% Non-Condensing  |   |  |                                  |
|                          | Operating Elevation   | 0 to 2,000m (0 to +6,562 ft.)   |   |  |                                  |
|                          | Storage Elevation   | 0 to 15,000m (0 to +49,213 ft.)   |   |  |                                  |
| Physical                 | Size - Net - LxWxH  | 26.0 x 17.3 x 7.0" / 660.0 x 440.0 x 177.5 mm (26.2" x 17.3" x 10.5" / 665.0 x 440.0 x 266.0 mm)  |   | 24.6 x 17.3 x 10.28" / 625 x 440 x 261.2 mm (25.9" x 17.3" x 15.4" / 659.0 x 440.0 x 391.8 mm) |                                  |
|                          | Weight - Net  | 115.8 lbs. / 52.5 Kgs. (198.5 lbs. / 88.0 Kgs.)   |   | 181.0 lbs. / 82.1 Kgs. (339.7 lbs. / 154.1 Kgs.)   |                                  |
| Regulatory               | Safety and Approvals  | cTUVus (Conforms to UL1778 4th Edition & CSA 22.2 no. 107.3-05), RoHS 2 , ENERGY STAR             |   |  |                                  |
|                          | EMC Verification  | FCC Class B, CE Certified   |   |  |                                  |
|                          | Warranty • Platinum Protection  | Three-years parts, labor, and battery (non-prorated); 5-year extended plans available • \$200,000 |   |  |                                  |