

## Specifications 120V Model

| Rated Capacity and Power |                           | 1kVA / 700W   | 3kVA / 2100W                            |
|--------------------------|---------------------------|---|---|
| Input                    | Voltage and Tolerance     | Single phase 120V, 80~160V at 70~100% load<br>70~160V at 50~70% load, 60~160V at 0~50% load |   |
|                          | Frequency (Auto-sensing)  | 50Hz or 60Hz +/- 4Hz  |   |
|                          | Power Factor              | 0.97  |   |
| Output                   | Voltage and Frequency     | Single phase 120V +/- 2%, 50Hz or 60Hz +/-0.5% (Battery mode)                               |   |
|                          | Transient Response        | +/- 3% (100% load variation)  |   |
|                          | Waveform and Distortion   | Sine wave, THD < 3% at 0-100% linear load   |   |
|                          | Overload Capacity         | 125~150% 30secs, switch to bypass and auto re-transfer; >150% for 200ms                     |   |
|                          | Crest Ratio               | 3 : 1   |   |
| Energy Storage           | Capacity and Voltage      | UltraCapacitor, 58F, 16V  |   |
|                          | Run-Time                  | 15 seconds at full load, 40 seconds at half load  |   |
|                          | Recharge Time             | Approx. 2 minutes (Input current dependent)   |   |
|                          | Life Cycle                | Approximately 500,000 charge / discharge cycles   |   |
| Bypass                   | Automatic                 | Upon overload and UPS failure   |   |
|                          | Voltage Range             | 88V ~ 126V +/-10V (adjustable via LCD panel)  |   |
| Transfer Time            | To and From Inverter      | 0 ms for AC fail; 2.5 ms typical to bypass  |   |
| Audible Alarms           | Battery Mode              | 4 second (adjustable), 1 second beep when capacity low                                      |   |
|                          | Overload                  | Beep twice per second   |   |
|                          | Fault                     | Continuous beep tone  |   |
| Indicator                | LCD                       | UPS status, I/P & O/P information, % Load, Event history                                    |   |
| Communication            | Serial Port               | RS-232 Interface; Optional power monitoring software  |   |
|                          | SNMP Intelligent Slot     | Network card with SNMP Manager and Web browser  |   |
| Environment              | Temperature               | 0-40 degrees C; 32-104 degrees F  |   |
|                          | Relative Humidity         | 0-95% non-condensing  |   |
|                          | Acoustic Noise (at 1M)    | < 50 dBA  |   |
| Physical                 | Electronics Module Weight | 23 lbs / 10.5 kgs   | 23 lbs / 10.5 kgs                       |
|                          | Energy Module Weight      | 34lbs. / 15.4 kgs   | 70 lbs / 32 kgs                         |
|                          | Electronics Module Dims   | 17" x 3.3" x 18.3" / 440 x 88 x 465 mm  | 17" x 3.3" x 18.3" / 440 x 88 x 465 mm  |
|                          | Energy Module Dims        | 17" x 3.3" x 18.3" / 440 x 88 x 465 mm  | 17" x 6.6" x 18.3" / 440 x 176 x 465 mm |

**Part Numbers:**

**1000VA:**  
**UPS Electronics Module**  
 ARTE-1000-01 (NEMA)  
 ARTE-1000-H1 (HARDWIRE)

**3000VA:**  
**UPS Electronics Module**  
 ARTE-3000-01 (NEMA)  
 ARTE-3000-H1 (HARDWIRE)

**Energy Storage Module**  
 ACPR-0458-36-120

**Energy Storage Module**  
 ACPR-1058-96-120