

## Plus1E Series 600-2000VA



- > Controlled by a technologically advanced microprocessor guaranteeing high reliability
- > Equipped with 2-steps boost & 1-step buck AVR to stabilize output voltage
- > USB port and monitor software is designed to manage UPS status via PC (Optional)
- > Built-in DC start function enables UPS to be started without AC power supplied
- > Constant current, constant voltage battery charger (CCCV Battery Charger)
- > UPS will charge itself even though power switch is off (Off mode charging)
- > UPS will shut down upon battery low ; UPS will restart automatically upon AC recovery (Auto-restart)
- > Over / under voltage protection (UPS will go to battery mode)
- > Provide lightning, surge, overload and short circuit protection

### Specifications:

| MODEL                       | Plus1E-600UN   | Plus1E-800UN  | Plus1E-1000UN  | Plus1E-1200UN  | Plus1E-1500UN                    | Plus1E-2000UN  |
|-----------------------------|--|---------------|----------------|----------------|----------------------------------|----------------|
|                             | Plus1E-U600UN  | Plus1E-U800UN | Plus1E-U1000UN | Plus1E-U1200UN | Plus1E-U1500UN                   | Plus1E-U2000UN |
| CAPACITY                    | 600VA/360W   | 800VA/480W    | 1000VA/600W    | 1200VA/720W    | 1500VA/900W                      | 2000VA/1200W   |
| <b>INPUT</b>                |  |               |                |                |                                  |                |
| Voltage                     | 220/230Vac   |               |                |                |                                  |                |
| Voltage Range               | - 30%, + 25%   |               |                |                |                                  |                |
| Frequency                   | 50Hz or 60Hz (Auto-sensing)  |               |                |                |                                  |                |
| <b>OUTPUT</b>               |  |               |                |                |                                  |                |
| Voltage Regulation          | AC mode / Battery normal: +/- 10%  |               |                |                |                                  |                |
| Frequency                   | AC mode: 47 - 53Hz for 50Hz or 57 - 63Hz for 60Hz ; Battery mode: 50Hz or 60Hz +/- 1Hz |               |                |                |                                  |                |
| Waveform                    | Simulated Sinewave   |               |                |                |                                  |                |
| Transfer Time               | < 6ms (Typical)  |               |                |                |                                  |                |
| Outlet: EURO-US             | 4pcs Back-up/AVR/Surge protected + 4pcs Surge only                                     |               |                |                | 8pcs Back-up/AVR/Surge protected |                |
| <b>BATTERY</b>              |  |               |                |                |                                  |                |
| Type                        | Maintenance free sealed lead-acid battery  |               |                |                |                                  |                |
| Voltage                     | 12VDC  |               |                | 24VDC          |                                  |                |
| Capacity & Number           | 12V/7AH*1pc  | 12V/9AH*1pc   | 12V/7AH*2pcs   | 12V/7AH*2pcs   | 12V/9AH*2pcs                     | 12V/9AH*2pcs   |
| Recharge Time               | 5 hours to 90% after complete discharge  |               |                |                |                                  |                |
| Safety Protection           | Over Charge & Over Discharge Protection  |               |                |                |                                  |                |
| Advanced Battery Management | Yes  |               |                |                |                                  |                |
| <b>DISPLAY</b>              |  |               |                |                |                                  |                |
| LED Status Indicators       | AC Normal (Green), Battery backup (Yellow), UPS cut off / Fault (Red)                  |               |                |                |                                  |                |
| <b>AUDIBLE ALARM</b>        |  |               |                |                |                                  |                |
| Battery Mode                | Two short tones every 8 seconds  |               |                |                |                                  |                |
| Low Battery                 | Four short tones every second  |               |                |                |                                  |                |
| Overload                    | Beeping continuously   |               |                |                |                                  |                |
| Fault                       | Beeping continuously   |               |                |                |                                  |                |
| <b>MANAGEMENT</b>           |  |               |                |                |                                  |                |
| USB Communication Port      | Plus1E: N/A  |               |                |                |                                  |                |
|                             | Plus1E-U: Included & download monitoring software                                      |               |                |                |                                  |                |
| <b>ENVIRONMENT</b>          |  |               |                |                |                                  |                |
| Operating Temperature       | 0°C - 40°C (32°F - 104°F)  |               |                |                |                                  |                |
| Humidity                    | 0 - 95% (Non-condensing)   |               |                |                |                                  |                |
| Acoustic Noise              | < 40 dB at 1M  |               |                |                |                                  |                |
| <b>PHYSICAL</b>             |  |               |                |                |                                  |                |
| Dimension (D*W*H)           | 305*98*170mm   |               | 385*98*170mm   |                | 360*150*160mm                    |                |

\*Product specifications are subject to change without further notice.