

## ETS SERIES

### PURE SINE INVERTER WITH CHARGER

Single-Phase Inverter



- Pure sine wave output (THD < 3%);
- High surge power up to 2 times of real loading power;
- Loading 1.5 times rated power for 10s, 2 times for 2s;
- High efficiency up to 92%;
- Power ON-OFF switch;
- Standby saving mode;
- Built-in fuse;
- Inverter with ATS transfer, battery charger;
- More safety connection by plastic terminal
- Front panel indicator for operation status;
- Thermostatically and load controlled cooling fan;
- Protections: Bat. low alarm/Bat. low shutdown/  
Bat. over shutdown/output short/overload/over Temp.



PURE SINE WAVE INVERTER  
WITH CHARGER

| SPECIFICATION            |                        |   |           |           |
|--------------------------|------------------------|---|-----------|-----------|
| MODEL                    |                        | ETS1000   | ETS2000   | ETS3000   |
| OUTPUT                   | RATED POWER            | 1000W   | 2000W     | 3000W     |
|                          | SURGE POWER            | 2000W   | 4000W     | 6000W     |
|                          | AC VOLTAGE             | Factory setting set at 110V/220V AC   |           |           |
|                          | FREQUENCY              | Factory setting set at 50HZ/60Hz  |           |           |
|                          | WAVE FORM              | Ture sine wave(THD<3%) at rated input voltage   |           |           |
|                          | AC REGULATION          | ±10%  |           |           |
|                          | STANDARD RECEPTACLES   | Schuko/UK/Australia/Universal/USA/France/JP/Brazile   |           |           |
|                          | FRONT PANEL INDICATOR  | Operation and fault status  |           |           |
| INPUT                    | BAT.VOLTAGE            | 12V   |           |           |
|                          | VOLTAGE RANGE          | 10.8-15.5VDC  |           |           |
|                          | DC CURRENT             | 50A   | 25A       | 13A       |
|                          | NO LOAD CURRENT DRAW   | 0.51A   | 0.25A     | 0.17A     |
|                          | EFFICIENCY             |   |           |           |
|                          | BATTERY TYPES          |   |           |           |
| BATTERY INPUT PROTECTION | BAT.LOW ALARM          | 10.8±0.2V   | 21.6±0.4V | 43.2±0.8V |
|                          | BAT.LOW SHUTDOWN       | 10.2±0.2V   | 20.4±0.4V | 40.8±0.8V |
|                          | BAT.OVER SHUTDOWN      | 15.5±0.2V   | 31±0.4V   | 62±0.8V   |
|                          | REVERSE POLARITY       | By design inside fuse   |           |           |
| by pass                  | ATS transfer           | The power switch to battery within 2s if the city power cut off.                                |           |           |
| DC output                | charging current range | 10A   | 20A       | 20A       |
| OUTPUT                   | OVER TEMPERATURE       | 75°C  |           |           |
|                          | OUTPUT SHORT           | Protection type:Shut down o/p voltage;re-power on to recover                                    |           |           |
|                          | OVER LOAD              | 120% rated power/protection type:shut down o/p voltage;re-power on                              |           |           |
| ENVIRONMENT              | WORKING TEMP.          | 0~+40°C@100% load;60°C @50% load  |           |           |
|                          | WORKING HUMIDITY       | 20%-90% RH non-condensing   |           |           |
|                          | STORAGE TEMP.          | -30~+70°C/-22~+158°F  |           |           |
|                          | STORAGE HUMIDITY       | 10%-95% RH non-condensing   |           |           |
| CERTIFICATE              |                        | CE/RoHS/LVD/IATF16949   |           |           |
| LED BUZZER               | LOW BAT.ALARM          | Buzzer sound 2 times and red light blink 2 times every 8s                                       |           |           |
|                          | LOW BAT.SHUTDOWN       | Buzzer sound 3 times and red light blink 3 times every 8s                                       |           |           |
|                          | OVER BAT.SHUT DOWN     | Buzzer sound 4 times and red light blink 4 times every 8s                                       |           |           |
|                          | OVER TEMP              | Buzzer sound 5 times and red light blink 5 times every 8s                                       |           |           |
|                          | OVER LOAD              | Light blink constantly  |           |           |
| OTHER                    | COOLING                | Load and Temp. control the fan  |           |           |
|                          | APPLICATION            | Home and office applications,power tools and portable equipment,vehicle,yacht and solar system. |           |           |