



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. | | |