



■ Features :

- True sine wave output (THD<3%)
- High surge power up to 2000W
- High efficiency up to 92%
- Power ON-OFF switch
- Standby saving mode can be selected
- Front panel indicator for operation status
- Built-in fan ON-OFF control function
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input reverse polarity / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- 3 years warranty



SPECIFICATION

| MODEL | TS-1000-112 | TS-1000-124 | TS-1000-148 | TS-1000-212 | TS-1000-224 | TS-1000-248 | | |
|--------------------------|--|-----------------------|---|---|-------------|---|---|------------|
| OUTPUT | RATED POWER (Typ.) 1000W | | | | | | | |
| | MAXIMUM OUTPUT POWER (Typ.) 1150W for 180 sec. / 1500W for 10 sec. / surge power 2000W for 30 cycles | | | | | | | |
| | AC VOLTAGE | | | Factory setting set at 110VAC | | | Factory setting set at 230VAC | |
| | FREQUENCY | | | 100 / 110 / 115 / 120VAC selectable by setting button S.W | | | 200 / 220 / 230 / 240VAC selectable by setting button S.W | |
| | WAVEFORM | | | 60±0.1Hz 50/60Hz selectable by setting button S.W | | | 50±0.1Hz 50/60Hz selectable by setting button S.W | |
| | AC REGULATION (Typ.) | | | True sine wave (THD<3%) at rated input voltage | | | ±3.0% | |
| | SAVING MODE (Typ.) | | | Default disabled. Load ≤ 5W will be changed to standby mode | | | | |
| FRONT PANEL INDICATOR | | | Battery voltage level, output load level, saving mode, fault and operation status | | | | | |
| INPUT | BAT. VOLTAGE | | 12V | 24V | 48V | 12V | 24V | 48V |
| | VOLTAGE RANGE (Typ.) ^{Note.4,6} | | 10.5 - 15VDC | 21 - 30VDC | 42 - 60VDC | 10.5 - 15VDC | 21 - 30VDC | 42 - 60VDC |
| | DC CURRENT (Typ.) | | 100A | 50A | 25A | 100A | 50A | 25A |
| | NO LOAD DISSIPATION | | ≤ 6W @ standby saving mode | | | | | |
| | OFF MODE CURRENT DRAW | | ≤ 1mA | | | | | |
| | EFFICIENCY (Typ.) ^{Note.1} | | 88% | 89% | 90% | 90% | 91% | 92% |
| BATTERY INPUT PROTECTION | BATTERY TYPES | | Open & sealed lead acid | | | | | |
| | FUSE | | 40A*4 | 40A*2 | 20A*2 | 40A*4 | 40A*2 | 20A*2 |
| | BAT. LOW ALARM | | 11.3±4% | 22.5±4% | 45±4% | 11.3±4% | 22.5±4% | 45±4% |
| | BAT. LOW SHUTDOWN | | 10.5±4% | 21±4% | 42±4% | 10.5±4% | 21±4% | 42±4% |
| REVERSE POLARITY | | By internal fuse open | | | | | | |
| OUTPUT PROTECTION | OVER TEMPERATURE | | 90°C ± 5°C | | | 70°C ± 5°C | | |
| | OUTPUT SHORT | | Protection type : Shut down o/p voltage, re-power on to recover, by internal RTH3 detect on heatsink of power diode | | | | | |
| | OVER LOAD (Typ.) | | 105 - 115% load for 180 sec., 115% - 150% load for 10 sec. | | | | | |
| | GFCI PROTECTION | | Optional (Only type F) | | | None | | |
| ENVIRONMENT | WORKING TEMP. ^{Note.3} | | 0 ~ +40°C @ 100% load ; +50°C @ 50% load | | | | | |
| | WORKING HUMIDITY | | 20% - 90% RH non-condensing | | | | | |
| | STORAGE TEMP., HUMIDITY | | -30 ~ +70°C / -22 ~ +158°F, 10 - 95% RH | | | | | |
| | VIBRATION | | 10 - 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes | | | | | |
| SAFETY & EMC | SAFETY STANDARDS | | UL458 (only for "GFCI" receptacle-Type F) | | | None | | |
| | LVD | | None | | | EN60950-1 | | |
| | WITHSTAND VOLTAGE | | Bat I/P - AC O/P: 3.0KVAC AC O/P - FG: 1.5KVAC | | | | | |
| | ISOLATION RESISTANCE | | AC O/P-FG, Bat I/P-FG: 100M Ohms/500VDC / 25°C / 70% RH | | | | | |
| | EMC EMISSION | | Compliance to FCC class A | | | Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark | | |
| | EMC IMMUNITY | | None | | | Compliance to EN61000-4-2,3,8 | | |
| OTHERS | MTBF | | 66.9K hrs min. MIL-HDBK-217F (25°C) | | | | | |
| | DIMENSION | | 345*184*70mm (L*W*H) | | | | | |
| | PACKING | | 4.3Kg; 2pcs/0.6Kg/1.16CUFT | | | | | |
| | COOLING | | Loading controlled cooling fan for GFCI receptacle-type F ; Thermostatically controlled cooling fan for others. | | | | | |