TS-1500 True Sine Wave DC-AC Power Inverter

**Features:**
- True sine wave output (THD<3%)
- High surge power up to 3000W
- High efficiency up to 91%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Protection: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload
- Application: Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- Optional monitoring software
- 3 years warranty

**SPECIFICATION**

**MODEL NO.**

<table>
<thead>
<tr>
<th>OUTPUT</th>
<th>INPUT</th>
<th>EFFICIENCY (Typ.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS-1500-112</td>
<td>1500W</td>
<td>87%</td>
</tr>
<tr>
<td>TS-1500-124</td>
<td>1500W</td>
<td>8%</td>
</tr>
<tr>
<td>TS-1500-148</td>
<td>1500W</td>
<td>8%</td>
</tr>
<tr>
<td>TS-1500-212</td>
<td>1500W</td>
<td>8%</td>
</tr>
<tr>
<td>TS-1500-224</td>
<td>1500W</td>
<td>8%</td>
</tr>
<tr>
<td>TS-1500-248</td>
<td>1500W</td>
<td>8%</td>
</tr>
</tbody>
</table>

**RATED POWER (Typ.)**

- 1500W

**MAXIMUM OUTPUT POWER (Typ.)**

- 1725W for 180 sec. / 1875W for 10 sec. / surge power 3000W for 30 cycles

**AC VOLTAGE**

- 100 / 110 / 115 / 120VAC selectable by setting button
- 200 / 220 / 230 / 240VAC selectable by setting button

**FREQUENCY**

- 60±0.1Hz
- 50±0.1Hz

**WAVEFORM**

- True sine wave (THD<3%)

**AC REGULATION (Typ.)**

- ±4%

**VIBRATION**

- 10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes

**OVER TEMPERATURE**

- 82±5°C
- 96±5°C
- 88±5°C
- 68±5°C

**OVER LOAD (Typ.)**

- 105 ~ 115% load for 180 sec., 115% ~ 125% load for 10 sec.

**OFF MODE CURRENT DRAW**

- ≤1mA

**BATTERY TYPES**

- Open & sealed Lead Acid

**ENVIRONMENT**

- Working Temp. 0 ~ +40°C @ 100% load : 60°C @ 50% load
- Working Humidity 20% ~ 90% RH non-condensing

**SAFETY & EMC**

- UL60950-1
- EN60950-1

**CONTROL WIRING**

- RJ11:RS232 (Option)

**DIMENSION**

- 420*220*88mm (L*W*H)

**PACKING**

- 6.81Kg: 2pcs/14.8Kg/1.61CUFT

**NOTE**

1. Output derating capacity referenced by curve 1.
2. THD and Efficiency is tested by 1000W, linear load at 13V, 26V, 52V input voltage.
3. Input derating capacity referenced by curve 2.
4. All parameters not specified above are measured at rated load, 25°C of ambient temperature and set to factory setting.
5. DC current is tested by 1500W, linear load at 13V, 26V, 52V input voltage.
6. The tolerance of each voltage value by models is: 112/212→10.5V/12.4/220V→±11V/14.8/248V→12V.
7. Please do not turn on the inverter before start the engine if inverter connect to vehicle’s battery directly.
8. The ambient temperature derating of 3.5°C/1000W with fairless models and of 5°C/1000W with fan models for operating altitude higher than 2000m(6500ft).