### 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

### Specifications

**Model**: TS-1000-112/124/148/212/224/248

**RATED POWER (Typ.)**: 1000W

**MAXIMUM OUTPUT POWER (Typ.)**: 1150W for 180 sec., 1500W for 10 sec., surge power 2000W for 30 cycles

**AC VOLTAGE**:
- 100/110/115/120VAC selectable by setting button S.W
- 200/220/230/240VAC selectable by setting button S.W

**FREQUENCY**:
- 60±0.1Hz, 50/60Hz selectable by setting button S.W
- 50±0.1Hz, 50/60Hz selectable by setting button S.W

**ACREGULATION (Typ.)**: ±3.0%

**VOLTAGE RANGE (Typ.)**:
- 12V
- 24V
- 48V

**DC CURRENT (Typ.)**:
- 40A*2
- 20A*2
- 20A*4
- 20A*2

**NO LOAD DISSIPATION**: ≤6W @ standby saving mode

**EFFICIENCY (Typ.)**:
- 88%
- 89%
- 90%
- 90%
- 91%
- 92%

**BATTERY TYPES**: Open & sealed lead acid

**BATTERY INPUT PROTECTION**:

**OVER TEMPERATURE**:
- 90℃ ± 5℃
- 70℃ ± 5℃

**OVER LOAD (Typ.)**: 105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec.

**LVD**: None

**MTBF**: 66.9K hrs min. MIL-HDBK-217F (25℃)

**PACKING**: 4.3Kg, 2pcs/9.6Kg/1.16CUFT

**COOLING**: Loading controlled cooling fan for GFCI receptacle-type F; Thermostatically controlled cooling fan for others.

**NOTE**:
1. Efficiency is tested by 750W, linear load at 13V, 26V, 52V input voltage.
2. All parameters not specified above are measured at rated load, 25℃ of ambient temperature.
3. Output derating capacity referenced by curve 1.
4. Input derating capacity referenced by curve 2.
5. The tolerance of each voltage value by models is: ±0.5V/124/224 ±1.1V/148/248 ±2V
1000W True Sine Wave DC-AC Power Inverter

**TS-1000 series**

**True sine wave inverter**

**O/P Wattage: 1000W**

**AC Output Receptacles (optional)**

<table>
<thead>
<tr>
<th>Receptacle type</th>
<th>TYPE-A</th>
<th>TYPE-B</th>
<th>TYPE-C</th>
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<th>TYPE-E</th>
<th>TYPE-F</th>
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<td>E3</td>
<td>CE</td>
<td>UL</td>
</tr>
</tbody>
</table>

**Mechanical Specification**

- **Unit:mm**
  - Width: 224 mm
  - Height: 72 mm
  - Depth: 50.05 mm
  - Airflow direction: 28.55 mm
  - Input: 12:12VDC
  - Output: 1:110VAC 2:230VAC

**Derating Curve**

1. **AMBIENT TEMPERATURE (°C)**
   - Curve 1
   - LOAD (%)
   - 0 to 70

2. **BATTERY INPUT VOLTAGE (V)**
   - Curve 2
   - LOAD (%)
   - 10:10VDC 21VDC 42VDC 15VDC 30VDC 60VDC

**WARNING:**
- Reverse Polarity Will Damage The Unit.
- Negative (NEG) and Positive (POS) Chassis Ground
- CAT. NO.: 1GG 1 HS-212
- Wire Range: 10 - 4 AWG Str Cu Soldered Wires
- Torque: 17.7 - 26.5 in lb

**Certificate:**
- UL
- CE
- C-Tick
- FCC

**File Name:** TS-1000-SPEC 2013-01-14
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

**Mean Well:**