



Наличие и актуальные цены на

**TS-3000-248B**

<https://www.mean-well.ru/store/TS-3000-248B/>



#### ■ Features :

- True sine wave output (THD<3%)
- High surge power up to 6000W
- High efficiency up to 92%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload / AC circuit breaker
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Support RS-232 communication (communication cable order No.: RJ11-RS232, sold sperately) Note.11
- 3 years warranty

User's Manual

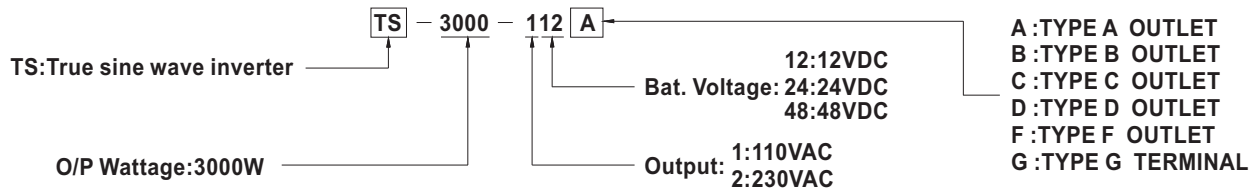


#### ■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>


#### SPECIFICATION

| MODEL NO.                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TS-3000-112□                                                                                                                  | TS-3000-124□ | TS-3000-148□  | TS-3000-212□                                                                               | TS-3000-224□ | TS-3000-248□ |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|--------------------------------------------------------------------------------------------|--------------|--------------|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | □ = A, F, G                                                                                                                   |              |               | □ = B, C, D, G                                                                             |              |              |
| OUTPUT                   | RATED POWER (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3000W                                                                                                                         |              |               |                                                                                            |              |              |
|                          | MAXIMUM OUTPUT POWER (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3450W for 180 sec. / 4500W for 10 sec. / surge power 6000W for 30 cycles                                                      |              |               |                                                                                            |              |              |
|                          | AC VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Factory setting set at 110VAC<br>100 / 110 / 115 / 120VAC selectable by setting button S.W                                    |              |               | Factory setting set at 230VAC<br>200 / 220 / 230 / 240VAC selectable by setting button S.W |              |              |
|                          | FREQUENCY      Note.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 60±0.1Hz    50/60Hz selectable by setting button S.W                                                                          |              |               | 50±0.1Hz    50/60Hz selectable by setting button S.W                                       |              |              |
|                          | WAVEFORM      Note.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | True sine wave (THD<3%)                                                                                                       |              |               |                                                                                            |              |              |
|                          | AC REGULATION (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ±3%                                                                                                                           |              |               |                                                                                            |              |              |
|                          | 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.3,6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10.5 ~ 15VDC                                                                                                                  | 21 ~ 30VDC   | 42 ~ 60VDC    | 10.5 ~ 15VDC                                                                               | 21 ~ 30VDC   | 42 ~ 60VDC   |
|                          | DC CURRENT (Typ.)      Note.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 300A                                                                                                                          | 150A         | 75A           | 300A                                                                                       | 150A         | 75A          |
|                          | NO LOAD DISSIPATION (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ≤10W @ standby saving mode                                                                                                    |              |               |                                                                                            |              |              |
|                          | OFF MODE CURRENT DRAW (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ≤1mA                                                                                                                          |              |               |                                                                                            |              |              |
|                          | EFFICIENCY (Typ.)      Note.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 88%                                                                                                                           | 90%          | 91%           | 89%                                                                                        | 91%          | 92%          |
|                          | BATTERY TYPES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Open & sealed lead acid battery                                                                                               |              |               |                                                                                            |              |              |
| BATTERY INPUT PROTECTION | FUSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40A*12                                                                                                                        | 40A*6        | 20A*6         | 40A*12                                                                                     | 40A*6        | 20A*6        |
|                          | BAT. LOW ALARM      Note.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11.3V                                                                                                                         | 22.5V        | 45V           | 11.3V                                                                                      | 22.5V        | 45V          |
|                          | BAT. LOW SHUTDOWN    Note.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.5V                                                                                                                         | 21V          | 42V           | 10.5V                                                                                      | 21V          | 42V          |
|                          | REVERSE POLARITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | By internal fuse open                                                                                                         |              |               |                                                                                            |              |              |
| OUTPUT PROTECTION        | OVER TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90℃± 5℃                                                                                                                       | 85℃± 5℃      | 85℃± 5℃       | 80℃± 5℃                                                                                    | 75℃± 5℃      | 75℃± 5℃      |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Protection type : Shut down o/p voltage, re-power on to recover                                                               |              |               |                                                                                            |              |              |
|                          | OUTPUT SHORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Protection type : Shut down o/p voltage, re-power on to recover                                                               |              |               |                                                                                            |              |              |
|                          | OVER LOAD (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec.<br>Protection type : Shut down o/p voltage, re-power on to recover |              |               |                                                                                            |              |              |
|                          | CIRCUIT BREAKER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | AC output receptacle:15A                                                                                                      |              |               |                                                                                            |              |              |
|                          | GFCI PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Optional (Only type F)                                                                                                        |              |               | None                                                                                       |              |              |
| ENVIRONMENT              | WORKING TEMP.      Note.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0 ~ +40℃ @ 100% load ; 60℃ @ 50% load                                                                                         |              |               |                                                                                            |              |              |
|                          | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20% ~ 90% RH non-condensing                                                                                                   |              |               |                                                                                            |              |              |
|                          | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH non-condensing                                                                         |              |               |                                                                                            |              |              |
|                          | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes                                                                  |              |               |                                                                                            |              |              |
| SAFETY & EMC             | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UL458 (only for Type G ) , EAC TP TC 004                                                                                      |              | EAC TP TC 004 | IEC62368-1 CB, EAC TP TC 004 approved; Design refer to BS EN/EN62368-1                     |              |              |
|                          | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bat I/P - AC O/P:3.0KVAC    AC O/P - FG:1.5KVAC                                                                               |              |               |                                                                                            |              |              |
|                          | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Bat I/P - AC O/P, Bat I/P - FG, AC O/P - FG: 100M ohms / 500VDC / 25℃ / 70% RH                                                |              |               |                                                                                            |              |              |
|                          | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Compliance to FCC class A, EAC TP TC 020                                                                                      |              |               | Compliance to BS EN/EN55032 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark, EAC TP TC 020       |              |              |
|                          | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Compliance to EAC TP TC 020                                                                                                   |              |               | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, EAC TP TC 020                 |              |              |
| OTHERS                   | CONTROL WIRING      Note.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RJ11 -RS232 (Option)                                                                                                          |              |               |                                                                                            |              |              |
|                          | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 257.6K hrs min.    Telcordia SR-332 (Bellcore) ; 33.3K hrs min.    MIL-HDBK-217F (25℃)                                        |              |               |                                                                                            |              |              |
|                          | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 466.8*283.5*100mm (L*W*H)                                                                                                     |              |               |                                                                                            |              |              |
|                          | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12.9Kg; 1pcs/14Kg/1.49CUFT                                                                                                    |              |               |                                                                                            |              |              |
| NOTE                     | 1.Efficiency is tested by 2100W, linear load at 13V, 26V, 52V input voltage.<br>2.Output derating capacity referenced by curve 1.<br>3.Input derating capacity referenced by curve 2.<br>4.DC current is tested by 3000W, linear load at 12V, 24V, 48V input voltage.<br>5.All parameters not specified above are measured at rated load, 25℃ of ambient temperature and set to factory setting.<br>6.The tolerance of each voltage value by models is:112/212→±0.5V;124/224→±1V;148/248→±2V.<br>7.THd is tested by 3000W, linear load at 13,26,52V input voltage.<br>8.Please do not turn on the inverter before start the engine if inverter connect to vehicle's battery directly.<br>9.The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).<br>10.Type F for 60Hz only.<br>11.The cable is used for the connection between TS-3000 and computer for software monitoring.<br>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx |                                                                                                                               |              |               |                                                                                            |              |              |

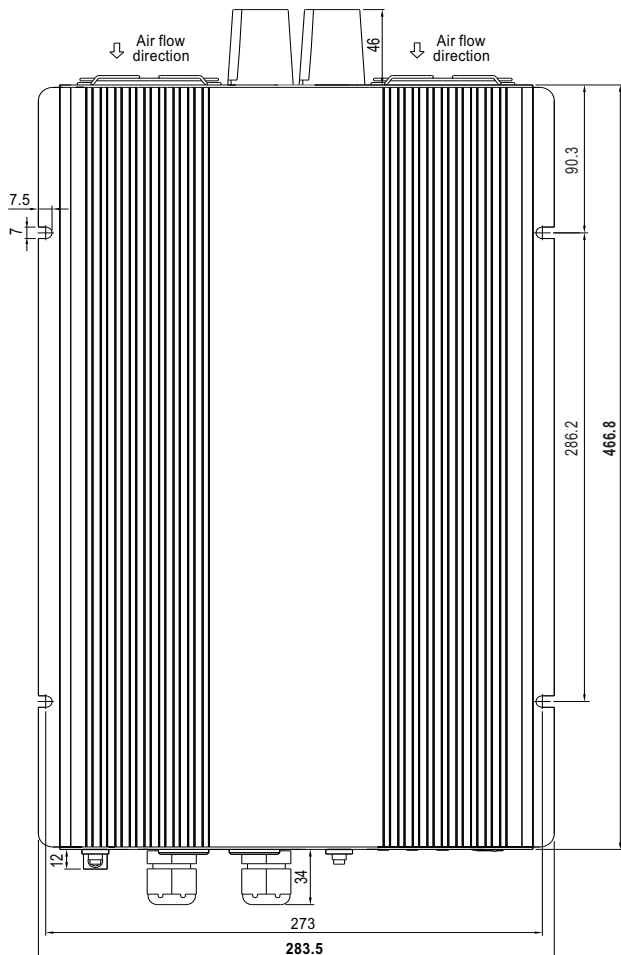
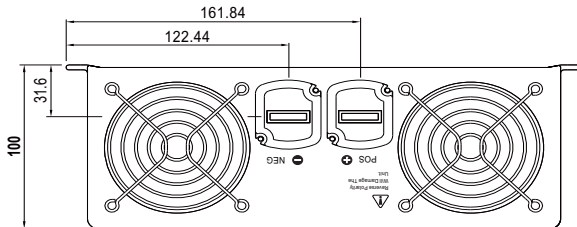


### AC Output Socket (optional)

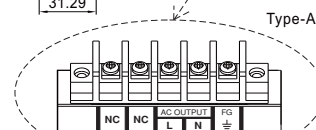
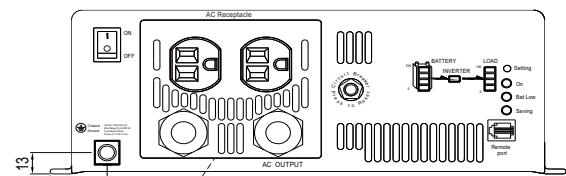
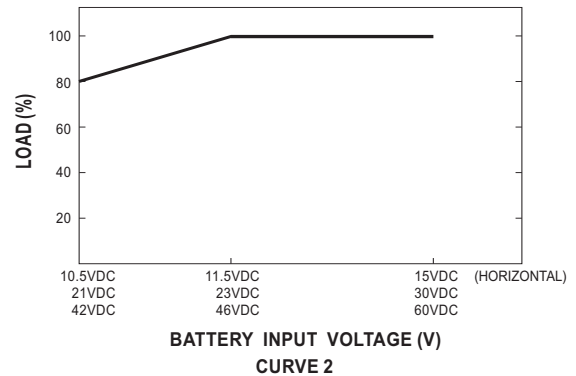
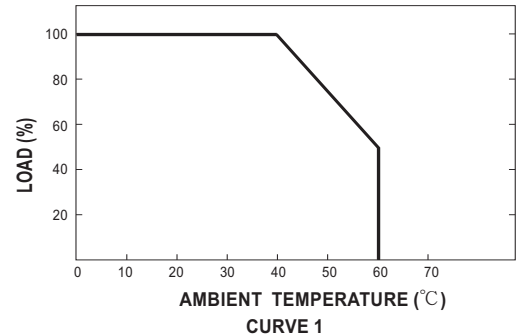
| MODEL NO.   | TS-3000-112 <input type="checkbox"/> | TS-3000-124 <input type="checkbox"/> | TS-3000-148 <input type="checkbox"/> | TS-3000-212 <input type="checkbox"/> | TS-3000-224 <input type="checkbox"/> | TS-3000-248 <input type="checkbox"/> |
|-------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Socket type |                                      |                                      |                                      |                                      |                                      |                                      |
|             | TYPE-A                               | TYPE-F                               | TYPE-G                               | TYPE-B                               | TYPE-C                               | TYPE-D                               |
|             | Standard                             | Optional                             | Optional                             | Standard                             | Optional                             | Optional                             |
| Country     | USA                                  | GFCI (60Hz)                          | -----                                | EUROPE                               | AUSTRALIA                            | U.K                                  |
| Certificate |                                      |                                      |                                      |                                      |                                      |                                      |

### Mechanical Specification

Unit:mm



### Derating Curve



Note: When the load current is >15A, must use output terminal which inside the is already case.