



## HT-S-300~3000

### Pure Sine Wave inverter ( S series )



HT-S-300



HT-S-600

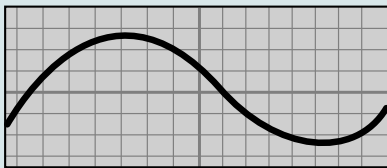


HT-S-1200

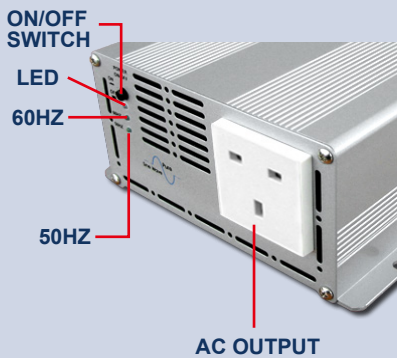


HT-S-1800/2500/3000

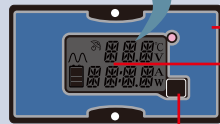
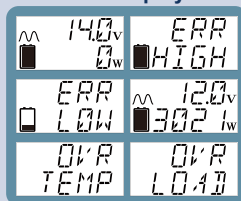
#### Pure Sine Wave



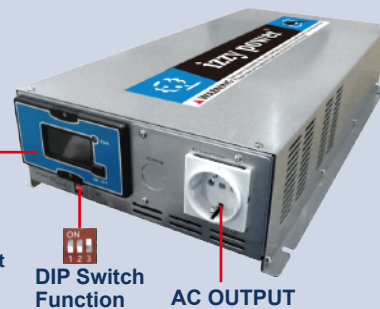
#### HT-S-300~1200



#### LCD Display



#### HT-S-1800~3000



#### Remote Control



Movable -- Remote Control

Ventilation window  
Do not obstruct, allow at least one inch for airflow.

#### Battery terminals

Connect to battery or other power source. "+" is positive (Red), "-" is negative(Black), Reverse polarity connection will blow internal fuse and may damage inverter permanently.



#### Smart start function design:

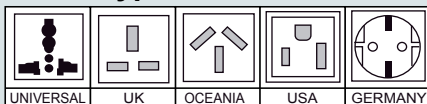
1. Maximizing startup performance.
2. Dynamic DC Bus Voltage regulation.
3. Soft-start technology improves reliability.

### HT-S-300/600/1200/1800/2500/3000

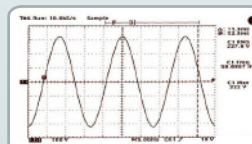
- (1) Pure sine wave output (<2% THD).
- (2) Input & Output fully isolation design.
- (3) High efficiency 85% ~ 90%.
- (4) Internal and external heat sinks.
- (5) Multi-stage thermal control fan.
- (6) Frequency 50/60HZ selective switch.
- (7) Re-start function
- (8) Complete protection design.
- ★ (9) Power saving function.
- ★ (10) Movable front LCD display panel.
- ★ (11) Bypass function -- optional.
- ★ (12) Hard wiring design --- for bypass function models.

Note: " ★ " only for 1800W~3000W.

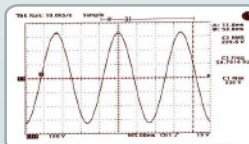
#### socket type :



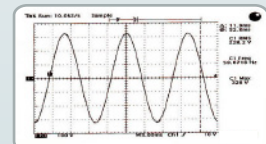
#### wave of oscilloscope



No Load



Resistance Load

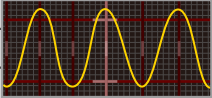


Induction Load





## SPECIFICATION

| Model NO.                | HT-S-300                   | HT-S-600   | HT-S-1200                           | HT-S-1800                                     | HT-S-2500                            | HT-S-3000                            |                                      |
|--------------------------|----------------------------|--|-------------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|
| OUTPUT                   | AC VOLTAGE                 | 100/120/230V   |                                     |   |                                      |                                      |                                      |
|                          | CONTINUOUS POWER           | 300W   | 600W                                | 1200W   | 1800W                                | 2500W                                | 3000W                                |
|                          | SURGE POWER                | 600W   | 1200W                               | 2400W   | 3600W                                | 5000W                                | 6000W                                |
|                          | WAVEFORM                   | PURE SINE WAVE  |                                     |   |                                      |                                      |                                      |
|                          | FREQUENCY                  | 50/60HZ±3%   |                                     |   |                                      |                                      |                                      |
|                          | AC REGULATION              | ±8%(100V: ±10%)  |                                     |   |                                      |                                      |                                      |
|                          | RECEPTACLES                | 2pcs for type 2; 1pc for type 3,4,5,6  |                                     |   |                                      |                                      |                                      |
| INPUT                    | DC CURRENT                 | 30A(12V)<br>15A(24V)<br>7.5A(48V)  | 60A(12V)<br>30A(24V)<br>15A(48V)    | 120A(12V)<br>60A(24V)<br>30A(48V)             | 180A(12V)<br>90A(24V)<br>45A(48V)    | 240A(12V)<br>120A(24V)<br>60A(48V)   | 300A(12V)<br>150A(24V)<br>75A(48V)   |
|                          | NOLOAD CURRENT DRAW        | 0.6A(12V)<br>0.3A(24V)<br>0.2A(48V)  | 0.9A(12V)<br>0.5A(24V)<br>0.3A(48V) | 1.1A(12V)<br>0.6A(24V)<br>0.3A(48V)           | 1.0A(12V)<br>0.5A(24V)<br>0.25A(48V) | 1.0A(12V)<br>0.5A(24V)<br>0.25A(48V) | 1.0A(12V)<br>0.5A(24V)<br>0.25A(48V) |
|                          | DC VOLTAGE                 | 12V/24V/48V  |                                     |   |                                      |                                      |                                      |
|                          | VOLTAGE RANGE              | 9.5-16VDC(12V)<br>19-32VDC(24V)<br>38-61V(48V)   |                                     | 10-16VDC(12V)<br>20-32VDC(24V)<br>40-61V(48V) |                                      |                                      |                                      |
|                          | EFFICIENCY(Typ.)           | >85%   |                                     |   |                                      |                                      |                                      |
|                          | DC CONNECTOR               | Cable*1pc  |                                     |   |                                      |                                      |                                      |
|                          | FUSE                       | 1pc  |                                     | 6pcs  | 9pcs                                 | 12pcs                                | 15pcs                                |
|                          | PROTECTION                 | BAT. LOW ALARM   | 10±0.5v(12v)/20±1v(24v)/40±2v(48v)  |   | 10.5±0.5v(12v)/21±1v(24v)/42±2v(48v) |                                      |                                      |
| BAT. LOW SHUTDOWN        |                            | 9.5±0.5v(12v)/19±1v(24v)/38±2v(48v)  |                                     | 10±0.5v(12v)/20±1v(24v)/40±2v(48v)            |                                      |                                      |                                      |
| OVER VOLTAGE             |                            | 16±0.5v(12v)/32±1v(24v)/61±2v(48v)   |                                     |   |                                      |                                      |                                      |
| OVER TEMPERATURE         |                            | 55°C±5°C   |                                     |   |                                      |                                      |                                      |
| SHORT CIRCUIT PROTECTION |                            | Shut-off   |                                     |   |                                      |                                      |                                      |
| BAT. POLARITY            |                            | Fuse Burn out  |                                     |   |                                      |                                      |                                      |
| OVER LOAD                |                            | re-start 1 time, shut down if failed   |                                     |   |                                      |                                      |                                      |
| ENVIRONMENT              | WORKING TEMP.              | -15°C~+45°C  |                                     |   |                                      |                                      |                                      |
|                          | WORKING HUMIDITY           | 20%~90% RH non-condensing  |                                     |   |                                      |                                      |                                      |
|                          | STORAGE TEMP., HUMIDITY    | -30°C~+70°C/-22°F~+158°F, 10~95% RH  |                                     |   |                                      |                                      |                                      |
|                          | TEMP. COEFFICIENT          | ±0.05%°C(0~55°C)   |                                     |   |                                      |                                      |                                      |
| SAFETY                   | EMI CONDUCTION & RADIATION | Compliance to EN55022  |                                     |   |                                      |                                      |                                      |
|                          | EMS IMMUNITY               | Compliance to EN55024, EN/IEC 61000-4-2, EN/IEC 61000-4-3, EN/IEC 61000-4-8                        |                                     |   |                                      |                                      |                                      |
|                          | LVD                        | Compliance to EN60950-1  |                                     |   |                                      |                                      |                                      |
|                          | UL                         | /  |                                     |   | UL458                                |                                      |                                      |
| OTHERS                   | DIMENSION(L*W*H)           | 260*129*82.5mm   | 285*179*82.5mm                      | 435*179*82.5mm                                | 570*274*105mm                        | 570*274*105mm                        | 570*274*105mm                        |
|                          | NET. WEIGHT                | 2.0kg  | 2.8kg                               | 4.4kg   | 8.3kg                                | 9.8kg                                | 9.8kg                                |
|                          | GROSS WEIGHT (WITH CABLE)  | 2.2kg  | 3.0kg                               | 5.0kg   | 9.0kg                                | 10.8kg                               | 10.8kg                               |

## Optional

| Model no.      | HT-S-1800BP                                   | HT-S-2500BP                        | HT-S-3000BP |
|----------------|---|------------------------------------|-------------|
| EXTRA FUNCTION | Bypass function                               | Yes                                |             |
| INPUT          | DC no load current under normal mode.         | 1.0A(12V) / 0.5A(24V) / 0.25A(48V) |             |
|                | DC no load current under power saving mode.   | 0.4A(12V) / 0.2A(24V) / 0.1A(48V)  |             |
| Inverter       | Low AC input volt transfer to inverter mode.  | 90Vac+/-5% or 180Vac+/-5%          |             |
|                | Low AC input volt transfer to AC mode.        | 95Vac+/-5% or 190Vac+/-5%          |             |
|                | High AC input volt transfer to inverter mode. | 132Vac+/-5% or 265Vac+/-5%         |             |
|                | High AC input volt recovery to AC mode.       | 125Vac+/-5% or 250Vac+/-5%         |             |
| Connector      | Input AC terminal                             | Yes, hard wiring.                  |             |
|                | Output AC Terminal                            | Yes, hard wiring.                  |             |
|                | Receptacles                                   | No                                 |             |

⚠ Note: Specifications subject to change without notice.



ISO 9001