

## New Series Pure Sine Wave Inverter

★★★★★ Highly recommended products



- Pure sine wave output(THD<3%);
- High surge power up to 2 times of real loading power;
- Loading 1.5times rated power for 10s,2times for 2s;
- High efficiency up to 92%;
- Power ON-OFF switch;
- Soft start; Built-in mosfet and fuse;
- More stable working functions with TP56 safety terminals
- Front panel indicator for operation status;
- Thermostatically and load controlled cooling fan;
- Protections:Bat. low alarm/Bat. low shutdown/Bat. over shutdown/output short/input reverse protection/overload/over Temp.
- 18 months warranty

| MODEL                    |                       | RS2000P-112  | RS2000P-124  | RS2000P-148  | RS2000P-212                              | RS2000P-224  | RS2000P-248  |
|--------------------------|-----------------------|--|--------------|--------------|--|--------------|--------------|
| OUTPUT                   | RATED POWER           | 2000W  |              |              |  |              |              |
|                          | SURGE POWER           | 4000W  |              |              |  |              |              |
|                          | AC VOLTAGE            | Factory setting set at 100V/110V/120V AC   |              |              | Factory setting set at 220V/230V/240V AC |              |              |
|                          | FREQUENCY             | 50Hz/60Hz optional   |              |              |  |              |              |
|                          | WAVE FORM             | True sine wave(THD<3%) at rated input voltage  |              |              |  |              |              |
|                          | AC REGULATION         | ±10%   |              |              |  |              |              |
|                          | STANDARD RECEPTACLES  | Schuko/UK/Australia/Universal/USA/France/JP/Brazile  |              |              |  |              |              |
|                          | FRONT PANEL INDICATOR | Operation and fault status   |              |              |  |              |              |
| INPUT                    | BAT.VOLTAGE           | 12V  | 24V          | 48V          | 12v                                      | 24V          | 48V          |
|                          | VOLTAGE RANGE         | 9.8-16.2VDC  | 19.7-32.3VDC | 39.5-63.5VDC | 9.8-16.2VDC                              | 19.7-32.3VDC | 39.5-63.5VDC |
|                          | DC CURRENT            | 200A   | 100A         | 50A          | 200A                                     | 100A         | 50A          |
|                          | NO LOAD CURRENT DRAW  | <0.9A  | <0.78A       | <0.65A       | <0.9A                                    | <0.78A       | <0.65A       |
|                          | EFFICIENCY            | 89%  | >90%         | 92%          | 88%                                      | 90%          | 91%%         |
|                          | BATTERY TYPES         | Recommend use LiFePO4 & sealed lead acid battery   |              |              |  |              |              |
| BATTERY INPUT PROTECTION | BAT.LOW ALARM         | 10.5±0.2V  | 21±0.3V      | 42±0.5V      | 10.5±0.2V                                | 21±0.3V      | 42±0.5V      |
|                          | BAT.LOW SHUTDOWN      | 10.2±0.2V  | 20±0.3V      | 40±0.5V      | 10.2±0.2V                                | 20±0.3V      | 40±0.5V      |
|                          | BAT.OVER SHUTDOWN     | 16±0.2V  | 32±0.3V      | 64±0.5V      | 16±0.2V                                  | 32±0.3V      | 64±0.5V      |
|                          | REVERSE POLARITY      | yes  |              |              |  |              |              |
| OUTPUT PROTECTION        | OVER TEMPERATURE      | ≥45°C or ≥60% rated power, cooling fan open; ≥70°C, Shut off.  |              |              |  |              |              |
|                          |                       | Protection type : Shut down o/p voltage, re-power on to recover; by internal Thermistor detect on heatsink of power transistor                                     |              |              |  |              |              |
|                          | OUTPUT SHORT          | Protection type: Shut down o/p voltage; re-power on to recover   |              |              |  |              |              |
|                          | OVER LOAD             | 100%-120% rated load for 10 sec.<br>Protection type : Shut down o/p voltage, re-power on to recover; by internal Thermistor detect on heatsink of power transistor |              |              |  |              |              |
| ENVIRONMENT              | WORKING TEMP.         | -15°C~+40°C@100% load;60°C @50% load   |              |              |  |              |              |
|                          | WORKING HUMIDITY      | 20%90% RH non-condensing   |              |              |  |              |              |
|                          | STORAGE TEMP.         | 30~+70°C/22~+158°F   |              |              |  |              |              |
|                          | STORAGE HUMIDITY      | 10%95% RH non-condensing   |              |              |  |              |              |
| SAFETY                   | CE                    | Compliance to EN55032  |              |              |  |              |              |
|                          | LVD                   | Compliance to EN60950-1  |              |              |  |              |              |

|                             |                      |   |
|-----------------------------|----------------------|---|
|                             | ROHS                 | Compliance to EN50581                                       |
|                             | E-MARK               | E13   |
|                             | OTHERS               | ISO9001/IATF16949/BSCI                                      |
|                             | UL test              | Test report No.C 8 1 1 5 2072 ; UL order No.1 3 5 8 2 0 0 7 |
|                             | REACH                | No.:1907/2006   |
| certificate of registration | IATF 16949:2016      | 111458/A/0001/SM/En   |
| OTHERS                      | USB port             | 5V/2.1A   |
|                             | DIMENSION L*W*H (mm) | 320*220*90  |
|                             | PACKING(cm)          | 45.5*30*36 ;2pcs/CTN,13.5KG                                 |