**Product detail parameters**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>BEP3000SA</th>
<th>BEP5000SA</th>
<th>BEP8000S</th>
<th>BEP10000SA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated Power</strong></td>
<td>300W</td>
<td>500W</td>
<td>800W</td>
<td>1000W</td>
</tr>
<tr>
<td><strong>Peak Power</strong></td>
<td>600W</td>
<td>1000W</td>
<td>1600W</td>
<td>2000W</td>
</tr>
<tr>
<td><strong>Output voltage</strong></td>
<td>110V/220V</td>
<td>(selectable)</td>
<td>100V/200V</td>
<td>(selectable)</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>50Hz/60Hz</td>
<td>(selectable)</td>
<td>60Hz</td>
<td>(selectable)</td>
</tr>
<tr>
<td><strong>WaveForm</strong></td>
<td>Pure Sine Wave</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>≥95%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight (kg)</strong></td>
<td>0.81</td>
<td>0.91</td>
<td>3.05</td>
<td>2.44</td>
</tr>
</tbody>
</table>

**Input**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>BEP3000S</th>
<th>BEP5000S</th>
<th>BEP8000S</th>
<th>BEP10000S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Battery Voltage</strong></td>
<td>12V/24V</td>
<td>(selectable)</td>
<td>24V</td>
<td>(selectable)</td>
</tr>
<tr>
<td><strong>Range Voltage</strong></td>
<td>10-15V</td>
<td>(12V)/20-30V</td>
<td>(24V)/40-60V</td>
<td>(48V)</td>
</tr>
<tr>
<td><strong>Open Circuit Losses</strong></td>
<td>0.9A(12V)</td>
<td>1.0A(12V)</td>
<td>1.5A(24V)</td>
<td>2.5A(48V)</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>≥95%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other protect**

- High temperature protection
- Short circuit protection
- Overload protection
- Support
- No-support
- No-support

**USB**

- Intelligent fan, high temperature, load start self

**FAN**

- Working environment: Working temperature 0-40℃ @ 10% load, working humidity 20-90% RH, no refrigeration

**Dimension(mm)**

- 211.5*118*56
- 236*118*56
- 309*180*142
- 367*150*76

**Weight (kg)**

- 0.81
- 0.91
- 3.05
- 2.44

**Output voltage**

- 110V/220V (selectable)

**Frequency**

- 50Hz/60Hz (selectable)

**WaveForm**

- Pure Sine Wave

**Efficiency**

- ≥95%

**Weight (kg)**

- 0.81
- 0.91
- 3.05
- 2.44

**Input**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>BEP1500S</th>
<th>BEP2000S</th>
<th>BEP8000S</th>
<th>BEP5000S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated Power</strong></td>
<td>1500W</td>
<td>2000W</td>
<td>3000W</td>
<td>5000W</td>
</tr>
<tr>
<td><strong>Peak Power</strong></td>
<td>3000W</td>
<td>4000W</td>
<td>6000W</td>
<td>10000W</td>
</tr>
<tr>
<td><strong>Output voltage</strong></td>
<td>110V/220V</td>
<td>(selectable)</td>
<td>100V/200V</td>
<td>(selectable)</td>
</tr>
<tr>
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<td>60Hz</td>
<td>(selectable)</td>
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<td>(12V)/20-30V</td>
<td>(24V)/40-60V</td>
<td>(48V)</td>
</tr>
<tr>
<td><strong>Open Circuit Losses</strong></td>
<td>1.8A(12V)</td>
<td>3.0A(12V)</td>
<td>3.8A(24V)</td>
<td>5.2A(48V)</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>≥95%</td>
<td></td>
<td></td>
<td></td>
</tr>
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**Other protect**

- High temperature protection
- Short circuit protection
- Overload protection
- Support
- No-support
- No-support

**USB**

- Intelligent fan, high temperature, load start self

**FAN**

- Working environment: Working temperature 0-40℃ @ 10% load, working humidity 20-90% RH, no refrigeration

**Dimension(mm)**

- 384*180*142
- 454*180*142
- 529*180*142
- 685*180*167

**Weight (kg)**

- 4
- 4.9
- 6.02
- 8

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This series of Pure sine wave inverter is suitable for:

Various kinds of household appliances, lighting equipment, IT electronics products, office equipment, Power tools, on-board appliances, outdoor emergency power supply, etc. The power of the electrical equipment exceeds the output power of the inverter and some start-up current of large power equipment may not be driven.

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**Easy flammable gas**

Ensure no flammable gas before connect. The sparking will be brought when connect the battery.

**Prohibit parallel connected with municipal electricity**

The inverter would be damaged when the output parallel connected with municipal electricity. Leading to the danger of touching the electric.

**Prohibit Minors use.**

Don’t use the inverter for Minors. Because the output of inverter is high voltage. Leading to the danger happen for touching the electric.

**Prohibit uninstall**

Don’t uninstall and modify the inverter, leading to the fault of inverter if uninstall and modify the inverter, and other accident include fire or touch electric etc.

**Prohibit touch with club**

Don’t put club and other metal something at near hole and socket of the inverter.

**Prohibit touch with wet hand.**

Don’t touch the inverter and the plug with wet hand, otherwise leading the touch electric and other safety accident.

**Keep away the flame and high temperature area**

The inverter and battery will happen fire and exploded when the inverter work at near the high temperature and flame area.

**Prohibit knock**

Knocking the inverter, leading to the inverter damaged and other safety problem.

**Prohibit use to the medical equipment.**

The inverter doesn’t use for the medical equipment. Because of don’t test and check the equipment.

**Prevent wet and water**

Notice the preventing wet and water. Because of the wet and water, the inverter may be damaged. Leading to the fire and short circuit, touch electric accident etc.

**Please insert fully.**

Please insert fully the load equipment’s plug to the inverter power socket. If the plug isn’t inserted fully. Leading to the touch electric and over heat, even leading to the fire. Prohibit use the bad plug socket, and electric wire.

The character of product

- The company’s pure sine series inverter with perfect protection circuit, providing high temperature protection, over-voltage protection, low-voltage protection, short-circuit protection, overload protection and other functions to prevent damage to your inverter;
- Advanced circuit design, high conversion efficiency, rich interface, stable output voltage; The inverter adopts metal sheath, reasonable design and good heat dissipation characteristic;
- The inverter has advanced anti-jamming technology, complete function protection circuit and soft start circuit, convenient operation mode;
- The soft-start circuit has the ability to raise the output voltage step by step during startup to eliminate the cold start failure, and at the same time, it has the output voltage instantaneous. Drop-down and fast recovery function to reduce the load on the instant overload.

**To avoid the injury to you and other person we give to as fellows notices. Please be sure compliance.**

The means all kinds of symbols. Please refer to the instruction. Warning: please read carefully, the as follow content may harm person.

In order to ensure reliable service for you, the inverter must be installed and used by the correct way. Please reading the installing and operation manual before installing and using, please especially notice the Alarm and illustrate alarm. To some possible inverter damaged that these used condition and used way is reminded. To some possible damage to people which give any serious alarm notice. Please carefully read the manual of the product, which in order to correct use. Especially read the notice of safety precautions, and safety used. The security attention considered. (must be read and remember)
Performance introduction:
Inverter is a kind of equipment of that it will change the direct current (including the Batteries, solar cells, wind turbines, etc.) to alternating current. because of the high frequency exchange technology is used by the inverter, and using the ferrite transformer replace the old bulky silicon steel transformer. This is the reason why our company product of the inverter is lighter than another similar product. The output wave form is the pure sin wave. It’s wave form is the same with the commercial Electric power. The general load power is driven by the inverter unless the load power is higher than the output of the inverter.

Pure sine wave form:
- In order to get the best used effect. Please put the inverter on the flat surface, example the ground, the floor of automobile, or off the surface of solid, and it is easy that fix the inverter’s power line. the working place should be satisfaction the as follow standard:
  1. Keep the dry, Don’t let the inverter is touched the water and other liquid. Keep the inverter away the wet place and water.
  2. The cool environment temperature is at 0 degree(not dew) to 40degree.Don’t put the inverter at the heating vent or near by the heating equipment. Keep the inverter away the sunlight direct shining.
  3. Ventilating keep the around no obstruct, To ensure the air flow is free. Don’t put something on the inverter when the inverter is working. The fan of inverter is used to help diffuse heat.
  4. To order safe, Don’t used the inverter near by the combustible material.
  5. The battery is not only supply the 11V up to the 15V direct current, but also supply the enough load driven current, the power should be a filled and good battery. In order to estimate a loading current, The loading power could be divided by the number 10.

The used environment:
- More of electric tool and home electric appliance and audio video equipment that their rated current and power is at the range of the inverter rated power or less more than it’s. But these equipment would show the overload protection situation when starting these equipment. The inverter is easy driven when the load is resistance load and switch load. Because the resistance load is line load.It could run with full load. For example the electric stove, the electric Rice cooker, LCD TV, etc. Equipment. Some of the audio video equipment and electric tools need be driven by more bigger power, which it is bigger than the resistance load. Asynchronous motor, CRT TV sets, compressors, pumps, etc. They need the 2 up to 6 times working current. so If these especial load can run, depend on the test.

The frequently asked questions:
- 1. The compatible board can be used when install the connected board. For example the output cable is too long or the conductor line Traver area is too small, it will happen the power consummation on the cable. The show is that the power is small and the voltage is low at the load end.
- 2. If the output cable of the battery and inverter that it is not standardize, the cable is too long, traverse area is too small, the touch place is poor, it will happen an large of power consuming. It is show that the power is insufficient. the battery voltage is low, the working time is short. Even the equipment don’t work as start the equipment. At the same time the cable should be prevented the water. The insulation strength should be meet the required of the used environment.

The installling and using way:
- 1. The power switch
- 2. The socket of multifunctional AC output
- 3. The lamp of power shown
- 4. The lamp of status shown
- 5. The interface of output USB
- 6. The positive pole of battery post
- 7. The post of battery negative
- 8. The intelligence fan
- 9. The meter of input voltage
- 10. The monitor of output voltage
- 11. Two color status shown lamp
- 12. The AC output interface
- 13. Remote control interface

Only refer to the product face plate, Please refer to the actually product