



GOLAND CENTURY

光澜世纪

USER'S MANUAL

W - 2000 Solar Converter

W - 2000 Solar Converter can transform the electrical energy of 24V direct current into the energy of 230V alternating current that can be used in appliances, such as TV, acoustics, fax machine, haircut appliances, etc.

W-2000 Solar Converter is equipped with Voltage and Current Meters for battery, Indicator LCD for Electrical source, Power-off Protection Indicator LED and AC Circuit Breaker in its surface and backside.

W-2000 Solar Converter other functions Reverse polarity protection, overload protection, short circuit protection, thermal protection and so on.

Operation procedure:

1. Turn the power switch “on-off” to the “**OFF**”
2. Connect the red string nip on the back of Converter with the positive pole “+” of battery and the black string nip with the negative pole “-” of the battery by cable. Correctly connecting, the voltage Meter indicates 22-28V.
3. Plug the outlets of your appliances into the suitable position on the front of the Converter (**Attention: The total nominal power of your appliances mustn't overrun the rated power of the Converter**)
4. Turn the power switch “on-off” to “ON”, the power LCD will get light. After correct connection between appliances and Converter, the appliances will be able to work. (For the loads with big power, please turn on the appliance and then turn on the Converter, which will sufficiently utilize the **soft startup** of Converter).

Operation procedure of turning off:

Turn the power switch “on-off” to the “**OFF**”, (If turn off only appliances and keep the Converter running, it would waste the battery energy about 12W).

The functions of protection:

1. **Reverse polarity protection:** Incorrect connection causes that no current passes the Converter, so it won't ruin the Converter (The hand of Voltage Meter will point to the reverse direction).
2. **Overloading protection:** When Converter is connected the excessive loads and the total power of loads exceeds its tolerance, it will stop working within ten seconds. Then the red LED will get light and the Converter will turn into the self-protection state. After reduction of the load, turn the power switch “on-off” to the “**OFF**” over ten seconds and then turn it into the “**ON**”, the Converter will renew to work. (Meeting the malfunction, AC Circuit Breaker on the back of Converter will automatically spring down. Before its startup, please push up the Breaker.)
3. **Short circuit protection:** When the interior of the appliance starts short circuit, the Converter will stop working within one second and turn into the self-protection state. Remove the malfunction; turn the power switch “on-off” to the “**OFF**” over ten seconds, turn it to the “**ON**”, then the Converter will renew to work. (Meeting the malfunction, AC Circuit Breaker on the back of Converter will automatically spring up. Before its startup, please press down the Breaker.)
4. **Temperature protection:** For the load is too much or the environmental temperature is too high, the interior temperature of Converter will get higher, so the Converter will stop working and turn into the self-protection state. (Suggest to reduce the quantity of loads or improve the ventilation, and then turn the switch “on-off” to the “**OFF**”. After the interior temperature gets lower, then turn it to the “**ON**”, the Converter will renew to work.

NOTE:

1. Put the Converter near to the battery, please don not lengthen the cable at random.
2. Keep the Converter on the place with good ventilation.
3. Correct and safe connection (the red string pole on the back of Converter will be connected with the positive pole "+" of battery; the black string pole will be connected with the negative pole "-" of the battery)
4. Avoid the Over-load and Short Circuit.

Specifications:

Model	W-2000
Output voltage	DC22-28V
Output power	2000W
Input current	1—85A
Load-off consumption	≤1.5%
Output voltage	AC 200—240V
Output frequency	50HZ
Efficiency	92%
Dimension	355×350×165
N.W	19.5Kg

Accessory: DC cable

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