

Intelligent Charger Inverter

Thank you for choosing Hestarevolt intelligent charger inverter. This product is a high performance power solution that combines inverter, charger and automatic transfer switch. Please read this manual carefully before using the product.

1.PRODUCT OVERVIEW

This inverter is an uninterruptible power supply for load home appliance.AC output switches automatically between wire and inverter.It adopts switch powersupply with high efficiency. Under the same load, its service life can be 1/2 to 1/3 longer than conventional inverter battery, a certain safety load shall be reserved for induction load (because actuation current of induction load is 5-10 times of running current).This equipment can be used in electric refrigerators, computers, televisions,electric fans, electric drills, electric hammers, fluorescent tubes and other home appliances. QutPutAC220V

Smart design simplifies operation for seamless,user-friendly performance even in unstable power conditions. High energy diverting efficiency slashes electricity bills down up to 40% ,delivering long term savings, esneially for high-tariff regions

1.PRODUCT OVERVIEW



Pure and stable
AC 220V output



Built-in battery
charging function



Multiple protection:
overload / low voltage/
short circuit / overheat



Suitable for inductive
and resistive loads



Intelligent automatic
switching



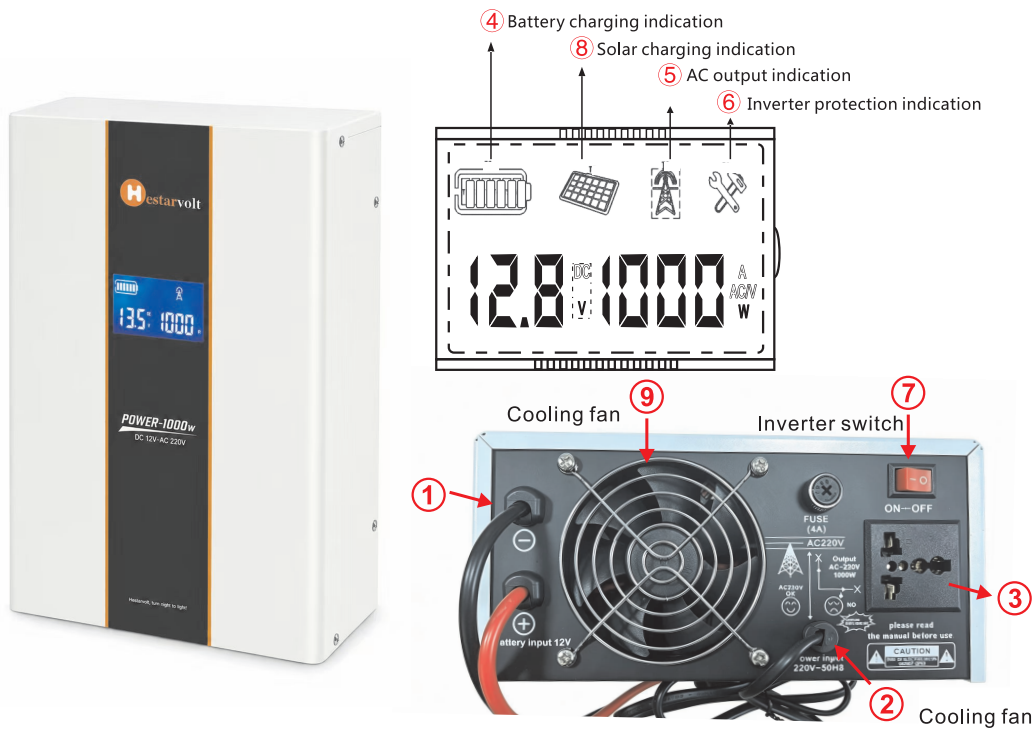
High conversion
efficiency



Intelligent cooling
fan

3. TECHNICAL SPECIFICATIONS

Model	HV-1000W
Rated Power	1000W
Peak Power	1200W
Input Voltage (Battery)	DC 12V (11V-16V)
Output Voltage	AC 220V
AC Input Voltage	AC 160V-260V
Charging Current	0-20A (automatic adjustment)
Inverter Output Voltage Adjustment Range	100V-300V (fine-tuning via internal control)
Battery Compatibility	12V battery systems
Protection Features	Overload, low voltage, overheat, short circuit, reverse polarity



- (1) 12V Battery input connector (red line connect with positive pole, black line connect with negative pole)
- (2) AC 220V input connector
- (3) AC output (AC 220V) socket.
- (4) Battery charging indication
- (5) AC Input Indication
- (6) Inverter protection indication
- (7) Inverter switch
- (9) Cooling fan

5. INSTALLATION & WIRING INSTRUCTIONS



1. Connect the battery first, ensure correct polarity (red to positive "+", black to negative "-")
2. Make sure battery voltage is between 12V and 16V before starting the inverter.
3. Connect AC input if charging or grid bypass is required.
4. Connect your appliances to the AC output socket.
5. Turn on the inverter power switch.
6. The system will automatically switch between battery mode and grid mode within approximately 3 seconds.

6. OPERATING INSTRUCTIONS

1. Connect the inverter to a 12V battery system.
2. Plug in appliances to the AC output port.
3. Turn on the power switch of the unit.
4. When AC input is connected, the unit will switch automatically to charging and bypass mode.
5. In case of power interruption, the inverter will switch back to battery power instantly.

7. IMPORTANT SAFETY NOTES

- Do not disassemble the unit without authorization.
- Ensure correct polarity connection.
- Do not overload the unit beyond rated power (1000W).
- Keep the unit in a well-ventilated area.
- Disconnect immediately if abnormal occurs.
- Do not use equipment beyond the inverter's capacity.

8. INSTALLATION & WIRING INSTRUCTIONS



Low Voltage
protection



Overload
protection



Short Circuit
protection



Over Temperature
protection



Reverse Polarity
protection

9. INSTALLATION & WIRING INSTRUCTIONS

- For inductive loads, the start current may be 5-7 times of the running current,
- Ensure load power is within the inverter's rated range.
- Do not connect heavy air conditioners or equipment beyond standard specs.