

HES SERIES

ALL IN ONE SOLAR POWER GENERATOR WITH LiFePO4 BATTERY



Pure sine wave



All in one design



WiFi



Alarm & Protection



LiFePO4



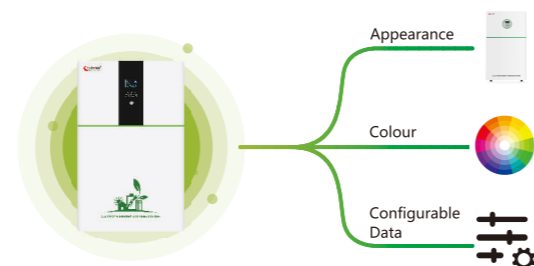
Various charging methods



Features

- Convenient installation, integrating solar controller, inverter and battery all in one machine.
- Compact and elegant design, unique art design and convenient output connection port.
- Flexible energy storage capacity, supporting three charging methods: solar power, Petrol and diesel generator, and grid power.
- Support wifi or app monitoring.
- With overvoltage, overtemperature, overload, battery BMS report and comprehensive protection.

OEM/ODM



Application



Household



Office Equipment



Camping



Car electricity



Speaker Equipment



Agricultural Irrigation



Technical Parameters

Model	HES PRO-T50248
Power	
Rated Power	5000W
Single/Parallel	Single
Battery	
Standard Battery Voltage	48V
Battery Type	LiFePO4 battery
Battery Capacity	51.2VDC 100AH (Can parallel batteries, standard rack mount , 19inch/3U)
Max Charge/Discharge Current	100A
Charge/Discharge Cut-off Voltage	44.8VDC/58.4VDC
AC Input	
AC Input Voltage	220VAC/230VAC/240VAC
AC Input Frequency	43Hz~53Hz (50Hz) , 53Hz~63Hz (60Hz)
AC Output	
Output Wave	Pure Sine Wave
Conversion Efficiency (INV mode)	94% (peak value)
Output Voltage/Frequency (INV mode)	220VAC/230VAC/240VAC±2%/50Hz ±1%,60Hz ±1%
MPPT Solar Charge Controller	
Max PV Input Voltage (Voc) (At The Lowest Temperature)	500VDC
PV Array Maximum Power	6000W
MPPT Tracking Voltage Range	120V~450VDC
MAX PV Charging Current	100A
Other	
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/ Inverter output short circuit protection/Temperature protection
Protection Degree	IP20
Display	LCD+LED
Cooling Method	Cooling fan in intelligent control
Communication	USB/RS232 communication , mobile APP (WIFI monitoring or GPRS monitoring) Optional
Working Mode	Mains priority/PV priority/Battery priority
Operating Temperature	-15 °C ~40 °C
Relative Humidity	0%-95% (No condensation)
Size	
Product Size(L*W*Hmm)	525*180*900
Package Size(L*W*Hmm)	535*190*910

Note: 1. Specifications are subject to change without prior notice; 2. Special voltage and power requirements can be customized according to the actual situation of users.