

HP-PLUS+ SERIES

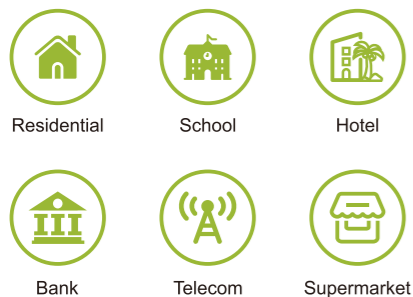
HIGH FREQUENCY HYBRID INVERTER



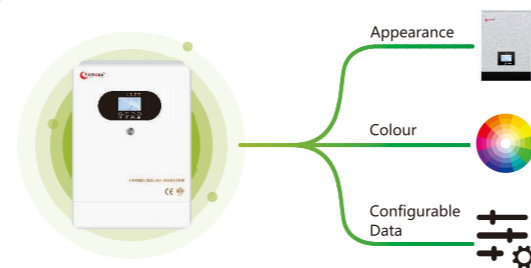
Features

- High frequency design, high efficiency, low no-load loss.
- Support solar and mains power hybrid charging for the battery, intelligent deployment.
- Support provide the power to the load without battery (Without parallel operation) .
- Parallel operation with up to 9 units, support output single-phase/three-phase.
- Smart LCD settings (working mode, charging current, charging voltage, AC output etc.).
- LED+LCD display is easy to operate .
- Multiple protection functions (overload, over temperature, short circuit protection, etc.).

Application



OEM/ODM



Technical Parameters

Model: HP-PLUS+	50248
Power	
Rated Power	5000W
AC Output Topology/Parallel Number	Single-phase/three-phase ; Parallel operation with up to 9 units
Battery	
Standard Battery Voltage	48VDC
Battery Type	Lead-acid battery / Lithium battery / Custom battery
Maximum Charging Current (PV+AC)	80A
Maximum PV Charging Current	80A
Maximum AC Charging Current	60A
MPPT Solar Charge Controller	
Maximum PV Input Voltage (Voc) (under the lowest temperature condition)	500VDC
Maximum PV Input Power/ Tracking Channels	5500W/1 route
MPPT Tracking Voltage Range	120V~450VDC
AC Input	
Rated Input Voltage	208VAC/220VAC /230VAC/ 240VAC
AC Input Voltage Range	170VAC~280VAC (UPS mode) / 90VAC~280VAC (Appliance mode)
AC Input Frequency	45Hz~55Hz (50Hz) , 55Hz~65Hz (60Hz)
AC Output	
Output Wave	Pure sine wave
Conversion Efficiency(INV mode)	94% (peak value)
Output Voltage/Frequency	208VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2% , 50Hz±1%/60Hz±1%(INV mode); follow input (mains mode)
Other	
Protect	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 (can be set)	Mains priority/Battery priority/PV priority
Charging Method (can be set)	AC + PV together (intelligent distribution) / Only PV / PV priority / Mains priority
Operating Temperature	-15°C~40°C
Relative Humidity	0%~95% (No condensation)
Dimensions and Weight	
Product Size (L*W*Hmm)	460*320*110
Package Size(L*W*Hmm)	520*385*215
N.W.(kg)	9.75
G.W.(kg)	10.75

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.