

All-In-One Hybrid Inverter

Hybrid input, MPPT and inverter all in one, more power output option. High power conversion efficiency, easy installation and use, low failure rate. RS485/232/CAN communication, and parallel extensions are optional function.

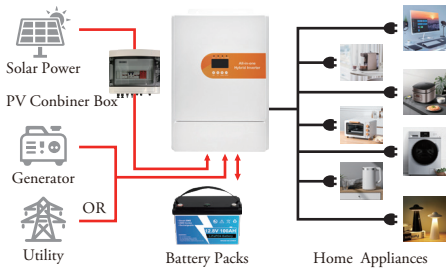


Features

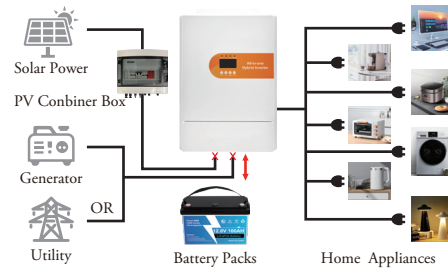
- Load friendly
- Efficient heat dissipation
- Dual LFP battery activation method
- Uninterrupted power supply
- High energy efficiency
- Power saving

Solar System Connection

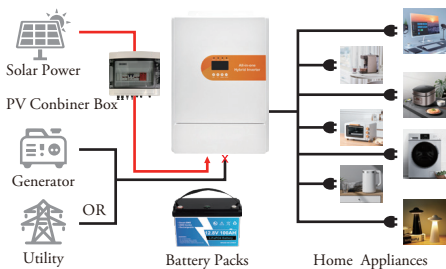
Operation with battery connected Solar Power and AC Power available



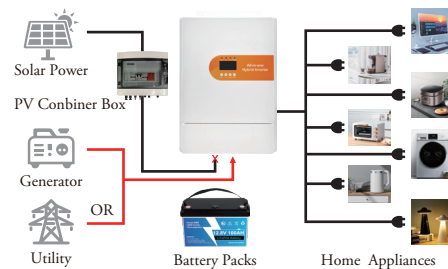
Solar Power and AC Power not available



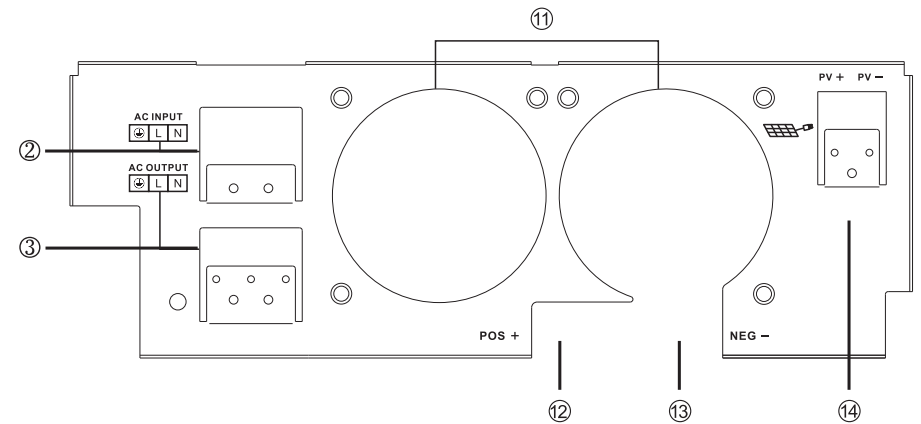
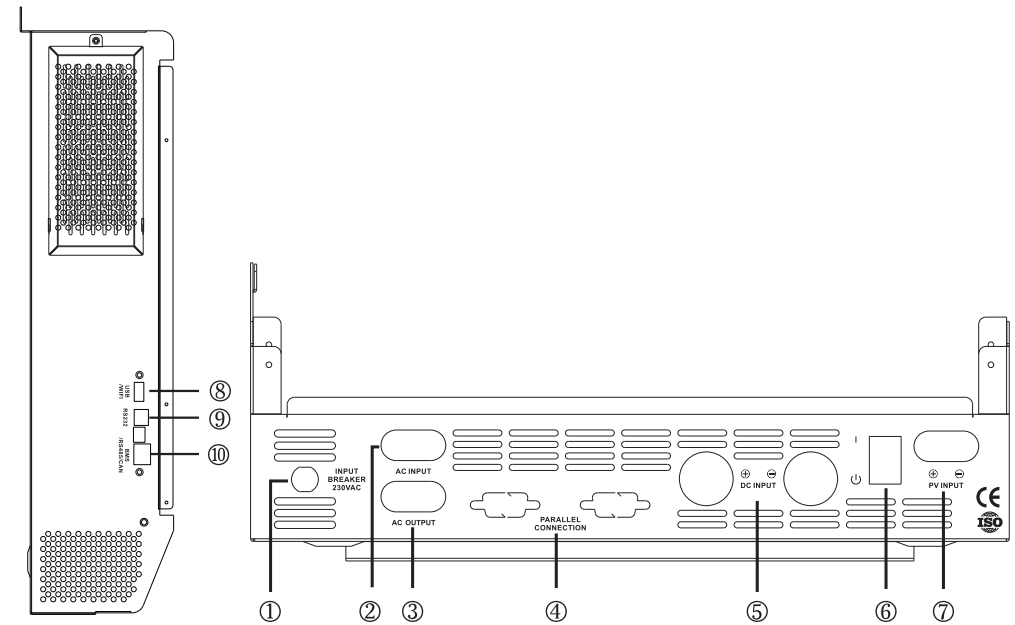
Operation without battery connected Solar Power available



AC Power available



Description



1	Input Breaker	2	AC Input	3	AC Output
4	Parallel Connection	5	Battery Input	6	Power ON/ OFF Switch
7	PV Input	8	USB/WIFI Communication Port	9	RS232 Communication Port
10	BMS/RS485/CAN Communication Port		11	Fan	
12	Battery Terminal Positive	13	Battery Terminal Negative	14	Solar Panel Input

»» Description

MODEL	ALL 486000
INPUT	
Input Sources	L+N+PE
Rated Input Voltage	208/220/230/240VAC
Voltage Range	154-264VAC±3V(APP Mode) 185-264VAC±3V(UPS Mode)
Fregency	50Hz/60Hz(Auto Adaptive)
OUTPUT	
Rated Capacity	6000W
Output Voltage	208/220/230/240VAC±5%
Output Frequency	50/60Hz±0.3Hz
Waveform	Pure Sine Wave
Transfer Time (adjustable)	Computers (UPS Mode)10ms, Appliance(APP Mode)10ms
Peak Power	10000VA
Over Load Ability	Battery Mode: 1 min@102%-110% Load; 10s@110%-130% Load 3s@130%~150% Load; 200ms@>150% Load
Peak Efficiency (Battery Mode)	≥94%
BATTERY	
Battery Volage	48Vdc
Constant Charging Voltage (adjustable)	56.4Vdc
Floate Charging Voltage (adjustable)	54Vdc
CHARGERS	
PV Charging Mode	MPPT
MAX.PV Input Power	6000W
MPPT Tracking Range	120-500Vdc
Best Voltage	300-400V
MAX.PV Input Voltage	500Vdc
MAX.PV Charging Current	80A
MAX.AC Charging Current	
MAX.Charging Current	
DISPLAY	
LCD Display	Display Running Mode/Loads/Input/Output etc.
INTERFACE	
RS232	Baud Rate2400
Communicaton Port	Lithium Battery BMS Communication Card, DryContact
Parallel Connect Interface	With Parallel
ENVIRONMENTS	
Operating Temperature	0-50°C
Humidity	20%-95%(Non-condensing)
Storage Temperature	-15-60°C
Altitude	Altiude Not Over 1000m, Derating over 1000m,Max 4000m. Refer to IEC62040

»» Fault Code Descriptions

Fault Code	English meaning	Recovering conditions	Alarm warning
1	Bus soft start fail	Unrecoverable	Fault
2	Bus high		
3	Bus low		
4	Battery Over Current		
5	Over temperature		
6	Battery high	Recoverable Not charging: 29V (high voltage point-2V); Charging: high voltage point -2V	
7	Bus soft Fault	Unrecoverable	
8	Bus short Fault		
9	INV soft Fault		
10	INV over voltage		
11	INV under voltage		
12	INV short circuit		
13	Negative power		
14	Overload fault		
15	ModelFault		
16	No boot loader		
17	Panel Flash Fault	Recoverable after Flash	
19	Same Serial	Unrecoverable	
20	CAN Fault		
21	BAT Volt Different		
22	Line Volt Different		
23	Line Freq Different		
24	Output Config Different	Recover when set to stand-alone operation or meet the three-phase operation setting conditions	
25	Output Syn Loss	Unrecoverable	
26	BMS Fault	Close the BMS communication function, or BMS failure recovery	