

OFF GRID INVERTER

PLUS Off Grid 6.2KW-48V

Product Features

- Support high Power Module with 27A PV Input Current.
- Dual output for smart load management.
- Remote Configuration & upgrade.
- Built-in communication port for BMS.
- Configurable AC/Solar input priority via LCD setting.



Built-in
Wifi(Optional)



Built-in
BMS



Net Metering
Feed into Grid



Status Indication
RGB LED Light



LCD Display &
Function Buttons



Pure Sine
Wave

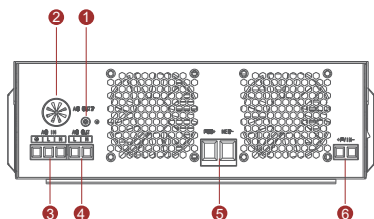


Overload
Protection



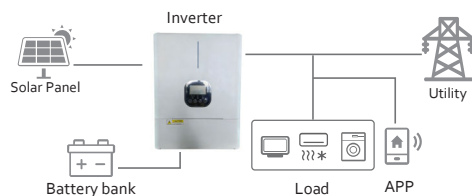
Short Circuit
Protection

Conneation ports

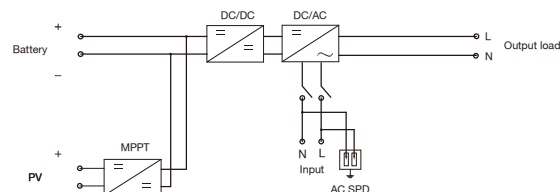


1. GND
2. AC OUT 2(Optional)
3. AC input
4. AC output
5. Battery
6. Solar/PV

Solar system connection



Schematic diagram



Reliable & Smart Residential Storage Solutions

DATASHEET	PLUS 6200-48
RATED POWER	6200W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
MPPT Tracker Number	1
Maximum input current of PV	27 A
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Surge Power	12400VA
Efficiency (Peak) PV to INV	97%
Efficiency (Peak) Battery to INV	94%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Output Port	Dual output(Optional)
Waveform	Pure sine wave
BATTERY & AC CHARGER	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	61 VDC
Maximum Charge Current	100 A(From grid)
SOC display	Shows battery State of charge in percentage and in voltage as well
Sleeping Mode	YES
Battery voltage low cut off selectable	42V-49V
Battery High voltage range selectable	50V-60V
Works without Battery	YES
SOLAR CHARGER	
Maximum PV Array Power	6500W
MPPT Range @ Operating Voltage	60-450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Municipal electricity	120 A
Maximum Efficiency	98%
PHYSICAL	
Dimension, D x W x H (mm)	128*300*363
Net Weight (kgs)	10.6
Communication interface	USB/RS232/RS485/WIFI(Optional)
LCD display	General LCD
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C
Waterproof grade	IP20

Product specifications are subject to change without further notice.

HYBRID INVERTER

PLUS Hybrid 6.2KW(48V)

Product Features

- Support high Power Module with 27A PV Input Current.
- Dual output for smart load management.
- Remote Configuration & upgrade.
- Built-in communication port for BMS.
- Configurable AC/Solar input priority via LCD setting.



Built-in
Wifi(Optional)



Built-in
BMS



Net Metering
Feed into Grid



Status Indication
RGB LED Light



LCD Display &
Function Buttons



Pure Sine
Wave

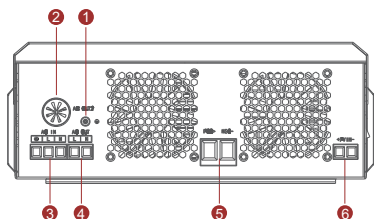


Overload
Protection



Short Circuit
Protection

Conneation ports



1. GND

2. AC OUT 2(Optional)

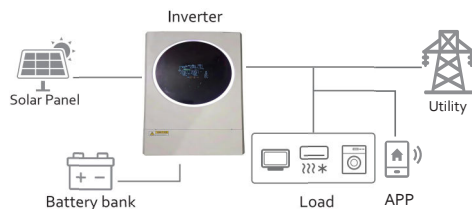
3. AC input

4. AC output

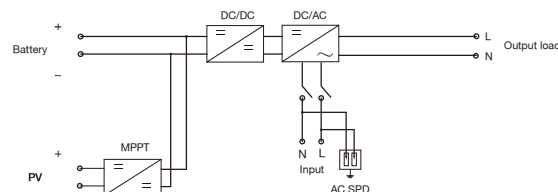
5. Battery

6. Solar/PV

Solar system connection



Schematic diagram



Reliable & Smart Residential Storage Solutions

DATASHEET	6.2KW
RATED POWER	6200W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
MPPT Tracker Number	1
Maximum input current of PV	27 A
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Surge Power	12400VA
Efficiency (Peak) PV to INV	97%
Efficiency (Peak) Battery to INV	94%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Output Port	Dual output(Optional)
Waveform	Pure sine wave
BATTERY & AC CHARGER	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	61 VDC
Maximum Charge Current	100 A(From grid)
SOC display	Shows battery State of charge in percentage and in voltage as well
Sleeping Mode	YES
Battery voltage low cut off selectable	42V-49V
Battery High voltage range selectable	50V-60V
Works without Battery	YES
SOLAR CHARGER	
Maximum PV Array Power	6500W
MPPT Range @ Operating Voltage	60-450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Municipal electricity	120 A
Maximum Efficiency	98%
PHYSICAL	
Dimension, D x W x H (mm)	128*300*440
Net Weight (kgs)	10.6
Communication interface	USB/RS232/RS485/WIFI(Optional)
LCD display	General LCD
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C
Waterproof grade	IP20

Product specifications are subject to change without further notice.