

Hybrid MPPT Solar Inverter (On-grid & Off-grid Inverter)

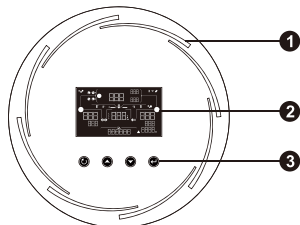
6KW Hybrid MPPT Solar Inverter SolarPolo

Main Features

-  120A Solar Charger+AC Charging current
-  USB On-the-go Function
-  Communication: RS232,USB,RS485, WIFI
-  Touch Button and LCD
-  Real Hybrid Can Feed to Grid
-  Built inside with BMS
-  Work with or without battery
-  6KW PV input (27A)
-  Parallel up to 9 pcs optional
-  RGB Light
-  Wifi Monitor Built Inside

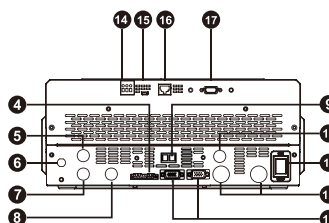


Back Panel Printing Description



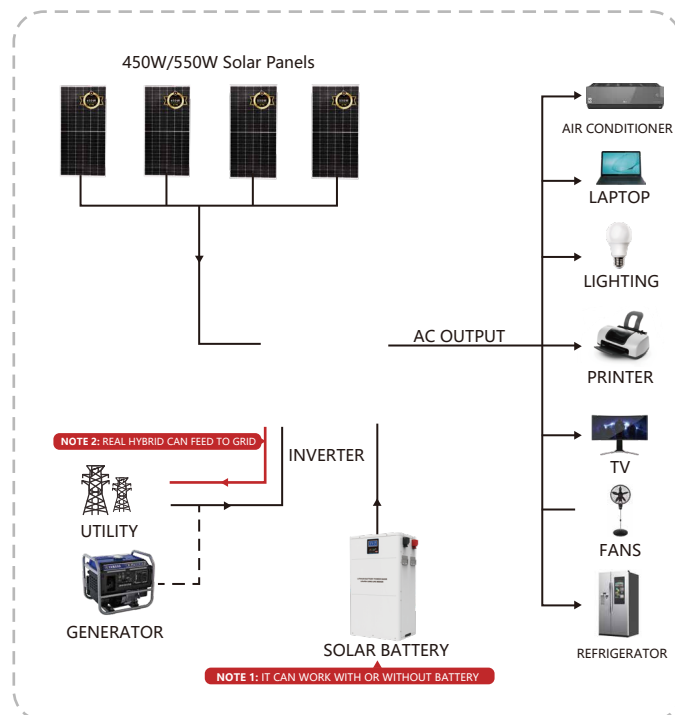
1. RGB LED ring
(refer to LCD Setting section for the details)
2. LCD display
3. Function buttons

NOTE: For parallel installation and operation, please check manual.



4. Current sharing port
5. AC input connectors
6. Circuit breaker
7. AC output connectors (Load connection 1)
8. AC output connectors (Load connection 2)
9. DC output 12VDC 10A
10. PV connectors
11. Power switch
12. Battery connectors
13. Parallel communication port
14. Dry contact
15. USB port as USB communication port and USB function port
16. BMS-communication port: CAN,RS-485 or RS-232
17. RS 232 communication port

Solar System Connection



Technical Parameter

Model No.	6KVA /6KW SolarPolo Hybrid Inverter
Basical information	
Max. PV Input Power	6000W
Rated AC Output Power	6000W
PV Input (DC)	
Nominal DC Volt/Max DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	1/27A
AC Input (AC)	
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	40A
Grid Output in Gri-Tie/ Hybrid Operation (AC)	
Nominal Output Volt	220Vac/ 230Vac/ 240Vac, Single Phase dual AC output
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Nominal Output Current	26.0A
Power Factor	1
Efficiency	
Max. Conversion Efficiency (DC/AC)	0.96
Battery Mode Output (AC)	
Nominal Output Volt	230Vac dual AC output+ 1pcs*12Vdc/ 10A max
Waveform	Pure sine wave
Efficiency(DC to AC)	0.93
Battery & Charger	
Battery Type Supported	AGM/Lead Acid/GEL/LIFEPO4 Lihitum Battery
Nominal Battery Voltage	48Vdc
Max Solar Charge Current	120A
Max AC Charge Current	120A
Max Total Charge Current	120A
Physical	
Products Dimension,D X W X H (mm)	356*471*149
Product Net Weight(kgs)	13.5
Packing Dimension,D X W X H (mm)	535*425*224,1PC/CTN
Gross Weight(kgs)	15
Parallel functions Optional	Yes, optional, max 9pcs
Communication Interface	RS232,USB,RS485,WIFI
Environment	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 50°C

Hybrid MPPT Solar Inverter (On-grid & Off-grid Inverter)

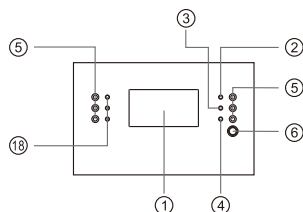
5KW Hybrid MPPT Solar Inverter SolarPolo

Main Features

-  Max.Can Be 9PCS in Parallel With Optional Kit
-  80A MPPT Solar Charge Controller up to 5000W Solar panel
-  Efficiently Work With or Without Battery
-  Built-in WIFI for Mobile Monitoring(Requires APP)
-  5KW Can Be off Grid and on Grid
-  Compatible With Lithium Battery
-  5KW is Real Hybrid Can Work as Off Grid and On Grid Solar Inverters

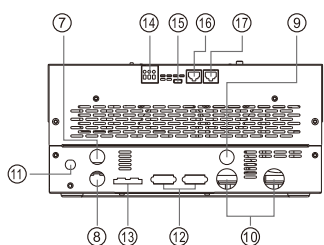


Back Panel Printing Description



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
18. LED indicators for USB function setting / Output source priority timer / Charger source priority setting

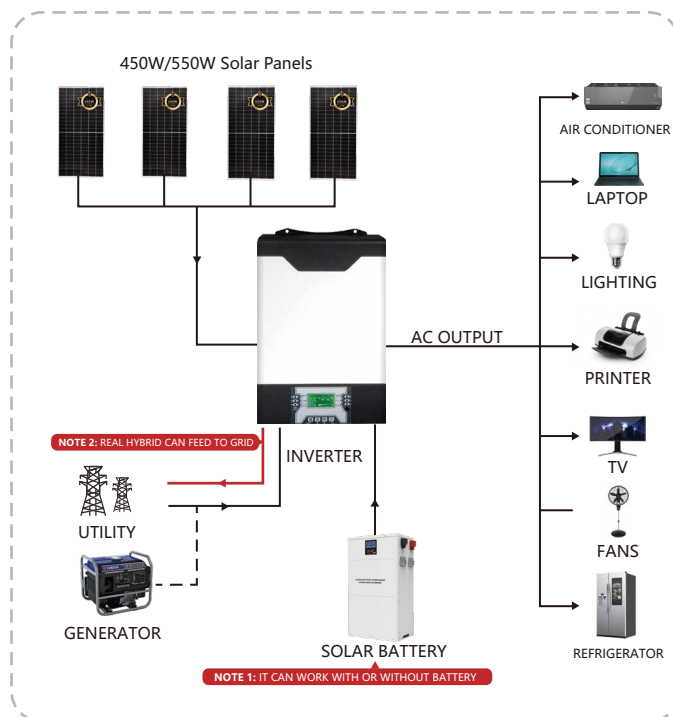
NOTE: For parallel installation and operation, please check manual.



7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. Parallel communication cable (only for parallel model)

13. Current sharing cable (only for parallel model)
14. Dry contact
15. USB communication port
16. BMS communication port: CAN, RS-485 or RS-232
17. RS-232 communication port

Solar System Connection



Technical Parameter

MODEL	5KW Solar Inverter SolarPolo
Rated Power	5KW
INPUT	
Voltage	230VAC
Selectable voltage	176-280 VAC at 100% load
	110-280 VAC at 50% load
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation(Batt.Mode)	230VAC±3%
Surge Power	10400VA for 5 sec
Efficiency(Peak)	>95% (Rated R load, battery full charged)
Transfer Time	10ms typical (For Personal Computers)
	20ms typical (For Home Appliances)
Wave form	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	64 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT Solar Charger
Maximum PV Array Open Circuit Voltage	450VDC
Maximum PV Array Power	5000W
MPP Range@ Operating Voltage	120-430VDC
Maxmum Solar Charge Current	80A
Maximum AC Charge Current	80A
BEST PANEL CONFIGUTATION	
BEST PANEL CONFIGUTATION	550Wp*8pcs*42V(4400Wp)*in series
PHYSICAL	
Products Dimension,D X W X H (mm)	456*303*147
Product Net Weight(kgs)	12
Packing Dimension,D X W X H (mm)	530*377*217,1PC/CTN
Product Gross Weight(kgs)	13.5
Communication Interface	Removable OTG USB/RS232/RS458/BLE/Dry-contact,BMS interface, 9 pcs in parallel (only 5KVA)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 50°C

MPPT Solar Inverter SolarPax Series

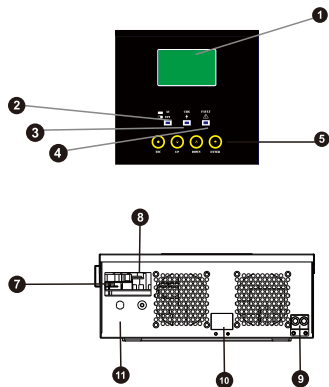
5.5KW MPPT Solar Inverter

Main Features

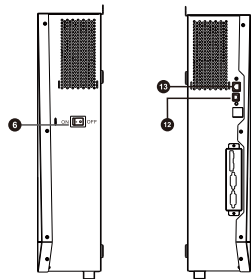
-  Max. Can Be 9PCS in Parallel With Optional Kit
-  With 100A MPPT Solar Charge Controller Built-in
-  With High PV Input Voltage Range (120-500VDC)
-  Efficiently Work With or Without Battery
-  With WIFI Function Optional
-  With Touch Button on the LCD Display



Back Panel Printing Description

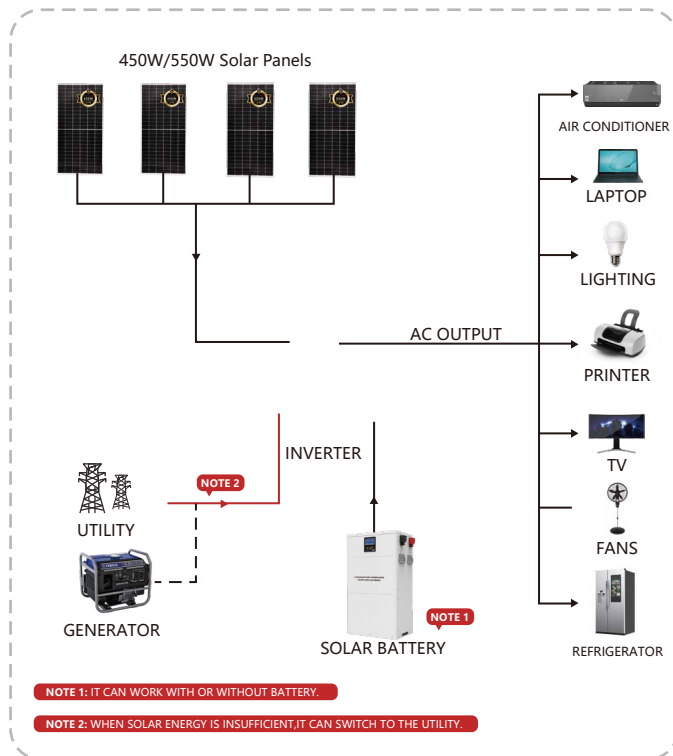


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker



6. Power on/off switch
12. USB communication port
13. RS-232 communication port

Solar System Connection



Technical Parameter

Series	SolarPax 5.5KW Inverter
The rated power	5500VA/5500W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (UPS),90-280VAC (Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Model)	230VAC $\pm$ 5%
Surge Power	11000VA
Power factor	1
Efficiency(Peak)	> 90%
Transfer Time	10MS (UPS), 20MS (Appliances)
Wave form	Pure sine wave
No load current	1.3A
BATTERY	
Battery voltage	48VDC
Low battery alarming voltage	44.0VDC
Low battery cut off protection voltage	42VDC
Low battery recovery voltage	46.0VDC
Floating Charge Voltage	54VDC
Overcharge Protection	60VDC
MPPT SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	5500W
MPPT Range at Operation Vol.	120-420VDC
Maximum PV Array Open Circuit Vol.	450VDC
Number of MPPT trackers / Max output current	100A
Maximum AC Charge Current	80A
Maximum Charge Current	100A
Maximum Efficiency	0.98
COMMUNICATION	
Communication Interface	USB/RS232/RS458/Dry-contact/BMS Parallel model(MAX.9PCS)
BEST PANEL CONFIGURATION	
Maximum PV Array Power	5500W
Best Panel configuration	550Wp*8pcs*42V(4400Wp)*in series
PHYSICAL	
Products Dimension, D*W*H(mm)	498mm*313mm*123mm
Packing size, D*W*H(mm)	577mm*395mm*217mm
Net Weight (kgs)	10.0 KG
G.W. kg	11.3 KG
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operation Temperature	



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MPPT Solar Inverter SolarPro Series

3.5KW MPPT Solar Inverter SolarPro Series

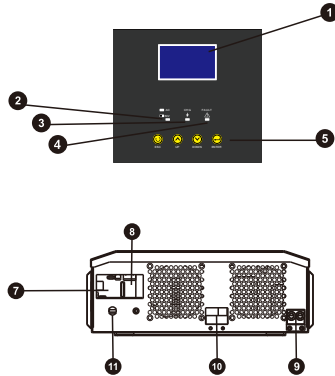
5.5KW MPPT Solar Inverter SolarPro Series

Main Features

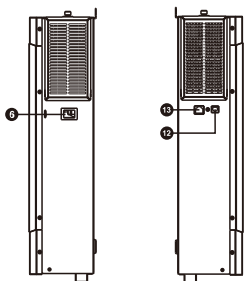
-  With 100A MPPT Solar Charge Controller Built-in
-  With High PV Input Voltage Range(120-500VDC)
-  Efficiently Work With or Without Battery
-  With WIFI Function Optional
-  With Touch Button on the LCD Display



Back Panel Printing Description

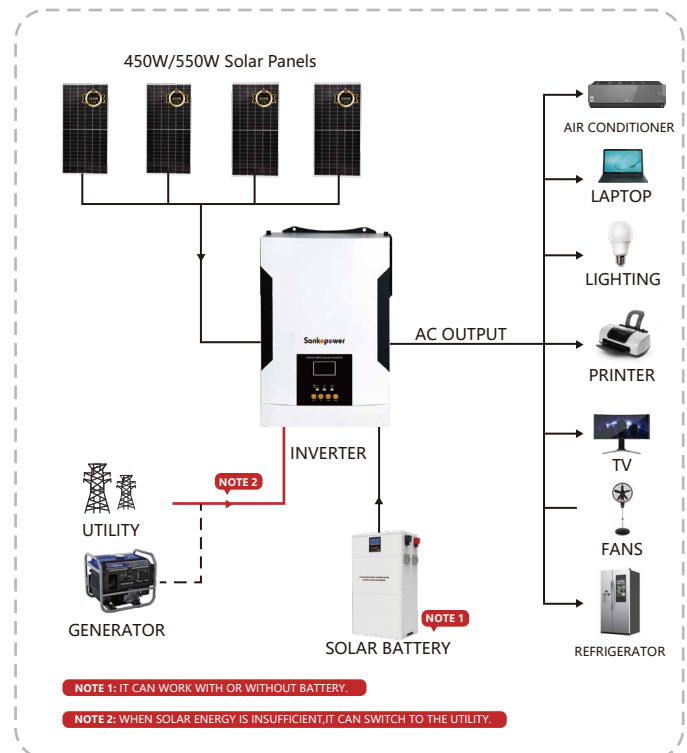


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker



6. Power on/off switch
12. USB communication port
13. RS-232 communication port

Solar System Connection



Technical Parameter

Inverter Model No.	SolarPro 3.5KW Inverter	SolarPro 5.5K Inverter
Power Rated	3500VA/3500W	5500VA/5500W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (UPS),90-280VAC (Appliances)	
Frequenecy Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Model)	230VAC ± 5%	
Surge Power	7000VA	11000VA
Efficiency(Peak)	> 90%	
Transfer Time	10ms (UPS), 20ms (Appliances)	
Wave form	Pure sine wave	
No load current	1.0A	1.1A
BATTERY		
Battery voltage	24VDC	48VDC
Low battery alarming voltage	22.0VDC	44.0VDC
Low battery cut off protection voltage	21VDC	42VDC
Low battery recovery voltage	23.0VDC	46.0VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	64VDC
MPPT SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	5000W	6000W
MPPT Range Operation Vol	120-450VDC	
Maximum PV Array Open Circuit Vol.	500VDC	
Number of MPPT trackers / Max output current	100A	
Maxmum AC Charge Current	60A	
Maxmum Charge Current	100A	
Maxmum Efficiency	98%	
BEST PANEL CONFIGUTATION		
Maximum PV Array Power	5000W	6000W
Best Panel configuration	550Wp*7pcs*42V(3850Wp)*in series	550Wp*8pcs*42V(4400Wp)*in series
PHYSICAL		
Products Dimension, D*W*H(mm)	481mm*313mm*117mm	481mm*313mm*117mm
Packing size, D*W*H(mm)	543mm*394mm*204mm	543mm*394mm*204mm
Net Weight (kgs)	9.8Kg	10.5Kg
G.W. kg	11Kg	11.7Kg
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operation Temperature	0°C- 50°C	



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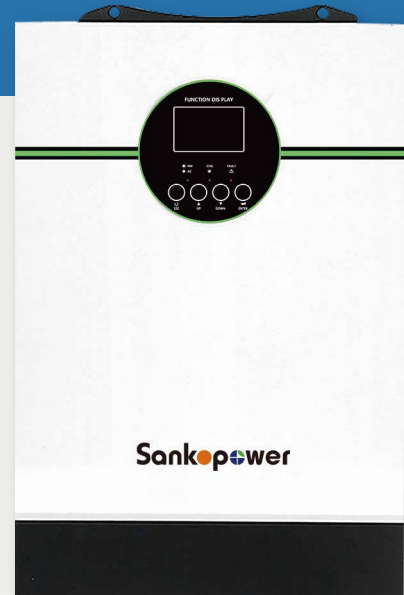


MPPT Solar Inverter SolarSee Series for 120Vac

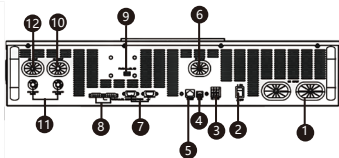
3KW MPPT Solar Inverter SolarSee Series (120Vac)

Main Features

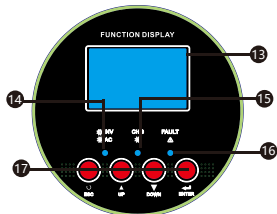
-  Parallel Operation With up to 6pcs for 3KVA, 3pcs for 5KVA
-  3K Output is 120Vac, 5K Output is 120Vac/240Vac Split Phase
-  1pc*80A MPPT for 3K, 2pcs' 80A MPPT for 5K
-  Configurable Priority of AC/Solar Charge Via LCD Setting
-  Automatic Restart While AC is Recovering
-  Configurable Input Voltage for Home Appliances and Personal Computers Via LCD Setting
-  Local WIFI Built Inside, Optional for Remote Wifi Kits



Back Panel Printing Description

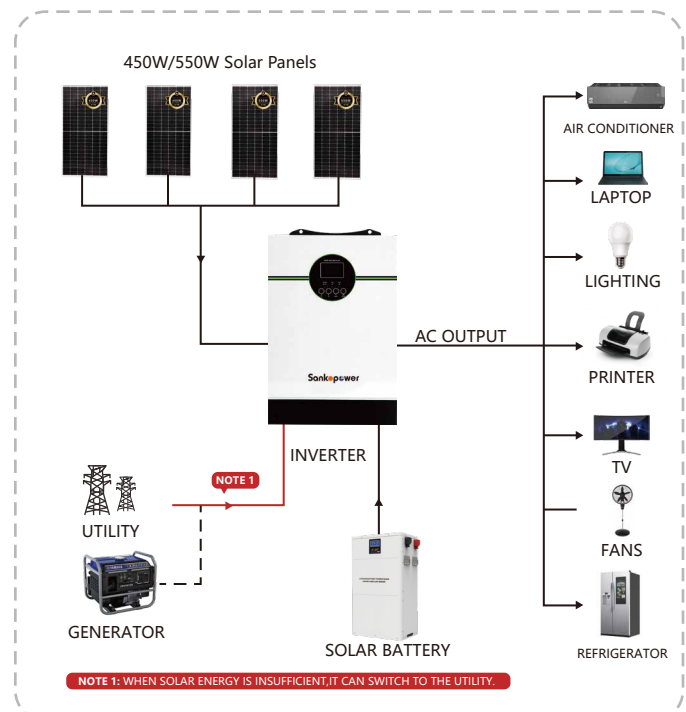


1. Battery connector
2. Power on/off switch
3. Dry contact
4. USB communication port
5. RS232 communication port
6. PV input
7. Parallel communication port
8. Current sharing port



9. Parallel ID (Please check chapter 6 in Parallel Function for setting details.)
10. AC output
11. Circuit breaker
12. AC input
13. LCD display
14. Status indicator
15. Charging indicator
16. Fault indicator
17. Function buttons

Solar System Connection



Technical Parameter

Model no.	SolarSee 3K 120VAC Inverter
The rated power	3000VA/2400W
INPUT	
Voltage	120 VAC
Selectable Voltage Range	95-140VAC (UPS), 65-140VAC (Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Model)	120VAC $\pm$ 5%
Surge Power	4000VA
Power factor	0.8
Efficiency(Peak)	> 90%
Transfer Time	10ms (UPS), 20ms (Appliances)
Wave form	Pure sine wave
No load current	2.0A
BATTERY	
Battery voltage	24VDC
Low battery alarming voltage	22.0VDC
Low battery cut off protection voltage	21VDC
Low battery recovery voltage	23.0VDC
Floating Charge Voltage	27VDC
Overcharge Protection	31VDC
MPPT SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	2000W
MPPT Range Operation Vol	30-115VDC
Maximum PV Array Open Circuit Vol.	145VDC
Standby Power Consumption	48W
Number of MPPT trackers / Max output current	1/ 1*80A
Maximum AC Charge Current	60A
Maximum Charge Current	140A
Maximum Efficiency	0.95
BEST PANEL CONFIGURATION	
Max. generated from solar charger	80Amp, 2000W
Best Panel configuration	550Wp*8pcs*42V(4400Wp)*in series
PARALLEL CONNECTION	
Max qty for parallel connection	Max 6PCS
PHYSICAL	
Products Dimension, D*W*H(mm)	465mm*303mm*130mm
Packing size, D*W*H(mm)	528mm*376mm*205mm
Net Weight (kgs)	9.7Kg
G.W. kg	11.0Kg
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operation Temperature	0°C- 50°C



MPPT Solar Inverter SolarSee Series for 120Vac

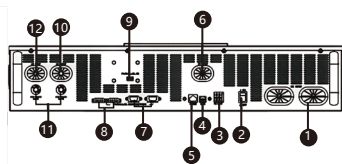
5KW MPPT Solar Inverter SolarSee Series (120Vac)

Main Features

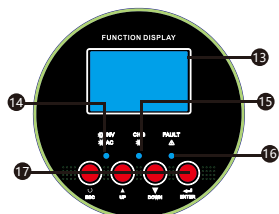
-  Parallel Operation With up to 6pcs for 3KVA, 3pcs for 5KVA
-  3K Output is 120Vac, 5K Output is 120Vac/240Vac Split Phase
-  1pc*80A MPPT for 3K, 2pcs' 80A MPPT for 5K
-  Configurable Priority of AC/Solar Charge Via LCD Setting
-  Automatic Restart While AC is Recovering
-  Configurable Input Voltage for Home Appliances and Personal Computers Via LCD Setting
-  Local WIFI Built Inside, Optional for Remote Wifi Kits



Back Panel Printing Description

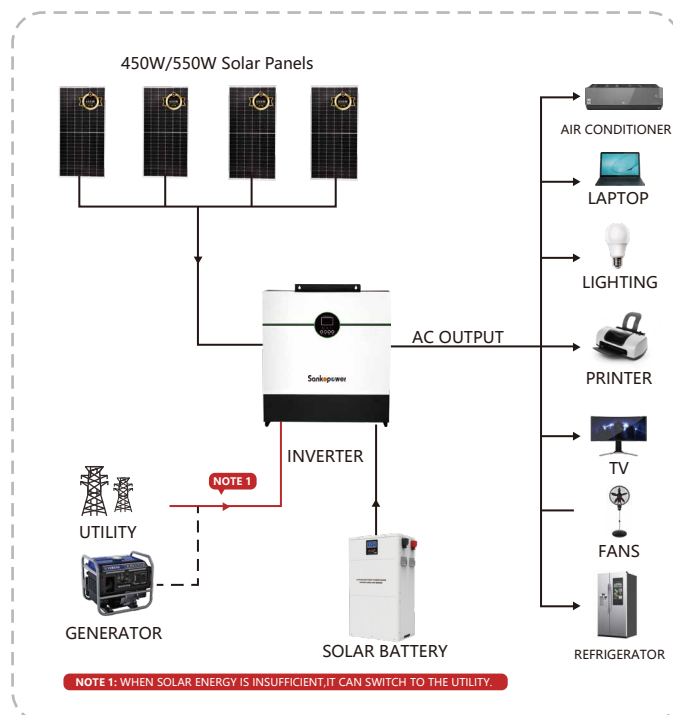


1. Battery connector
2. Power on/off switch
3. Dry contact
4. USB communication port
5. RS232 communication port
6. PV input
7. Parallel communication port
8. Current sharing port



9. Parallel ID (Please check chapter 6 in Parallel Function for setting details.)
10. AC output
11. Circuit breaker
12. AC input
13. LCD display
14. Status indicator
15. Charging indicator
16. Fault indicator
17. Function buttons

Solar System Connection



Technical Parameter

Model no.	SolarSee 5K 120VAC Inverter
The rated power	5000VA/5000W
INPUT	
Voltage	120 VAC
Selectable Voltage Range	95-140VAC (UPS), 65-140VAC (Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Model)	120VAC $\pm$ 5%
Surge Power	6000VA
Power factor	1.0
Efficiency(Peak)	> 90%
Transfer Time	10ms (UPS), 20ms (Appliances)
Wave form	Pure sine wave
No load current	1.5A
BATTERY	
Battery voltage	48VDC
Low battery alarming voltage	44.0VDC
Low battery cut off protection voltage	42.0VDC
Low battery recovery voltage	46.0VDC
Floating Charge Voltage	54VDC
Overcharge Protection	60VDC
MPPT SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	3840W
MPPT Range Operation Vol	60-115VDC
Maximum PV Array Open Circuit Vol.	145VDC
Standby Power Consumption	72W
Number of MPPT trackers / Max output current	2/ 2*80A
Maxmum AC Charge Current	60A
Maxmum Charge Current	220A
Maxmum Efficiency	95%
BEST PANEL CONFIGUTATION	
Max. generated from solar charger	2*80Amp, 7680W
Best Panel configuration	550Wp*8pcs*42V(4400Wp) *in series
PARALLEL CONNECTION	
Max qty for parallel connection	Max 3PCS
PHYSICAL	
Products Dimension, D*W*H(mm)	670.5mm*625mm*157mm
Packing size, D*W*H(mm)	788mm*710mm*241mm
Net Weight (kgs)	26.4Kg
G.W. kg	32.75Kg
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operation Temperature	0°C- 50°C



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