



SCAN QR CODE

AUTOMATIC VOLTAGE REGULATOR | INVERTER | UPS
CONVERTER | SOLAR SYSTEM

FOSHAN KTAC TECHNOLOGY CO.,LTD

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PRODUCT CATALOG

ABOUT US

COMPANY PROFILE

Power is a fundamental part of our world, Ironically, we don't notice it unless it has problem. Since 2007, KTAC has been dedicated and specializing in research, design, and manufacture of power supply solutions and products against various power supply problems such as power breakouts, fluctuation, power outage, sags, spikes, surges, transient etc. Located in Foshan, the power supply hub of China, KATC holds three factories with more than 8000 square meters production area, 8 production lines, more than 100 workers, with our facility and a highly professional and motivated team of engineering, manufacturing, quality assurance, materials management and sales personnel, KTAC provide the following products and solutions:

- Power inverter
- Power transformer
- Battery Charger
- UPS power supply
- Solar system
- Line conditioner
- Solar charge controller
- Switching power supply
- Automatic voltage stabiliser



Applications for KTAC products include most electrical home appliances such as washing machine, fridge, freezer, TV, fans, Air conditioner, lighting products, stage power supply, personal computers, servers, data center, office electrical equipments, factory electrical equipments and machineries, marine boats, cars, trucks, commercial centers, hotels, residential lighting, automation control system.

With perseverant concentration in power supply and profound understanding of manufacturing and deep awareness of importance of product quality and reliability, KTAC is confident of our ability to support your requirements by providing the highest quality and reliable products, delivered on time, and at competitive prices. Whether it's an industrial, commercial, residential application, KTAC is uniquely positioned to provide products with engineering innovation, proven quality, and high reliability.



PORTABLE POWER STATION
LG 3K5H 5K5H 5K10H



PORTABLE POWER STATION LG 3K5H 5K5H 5K10H

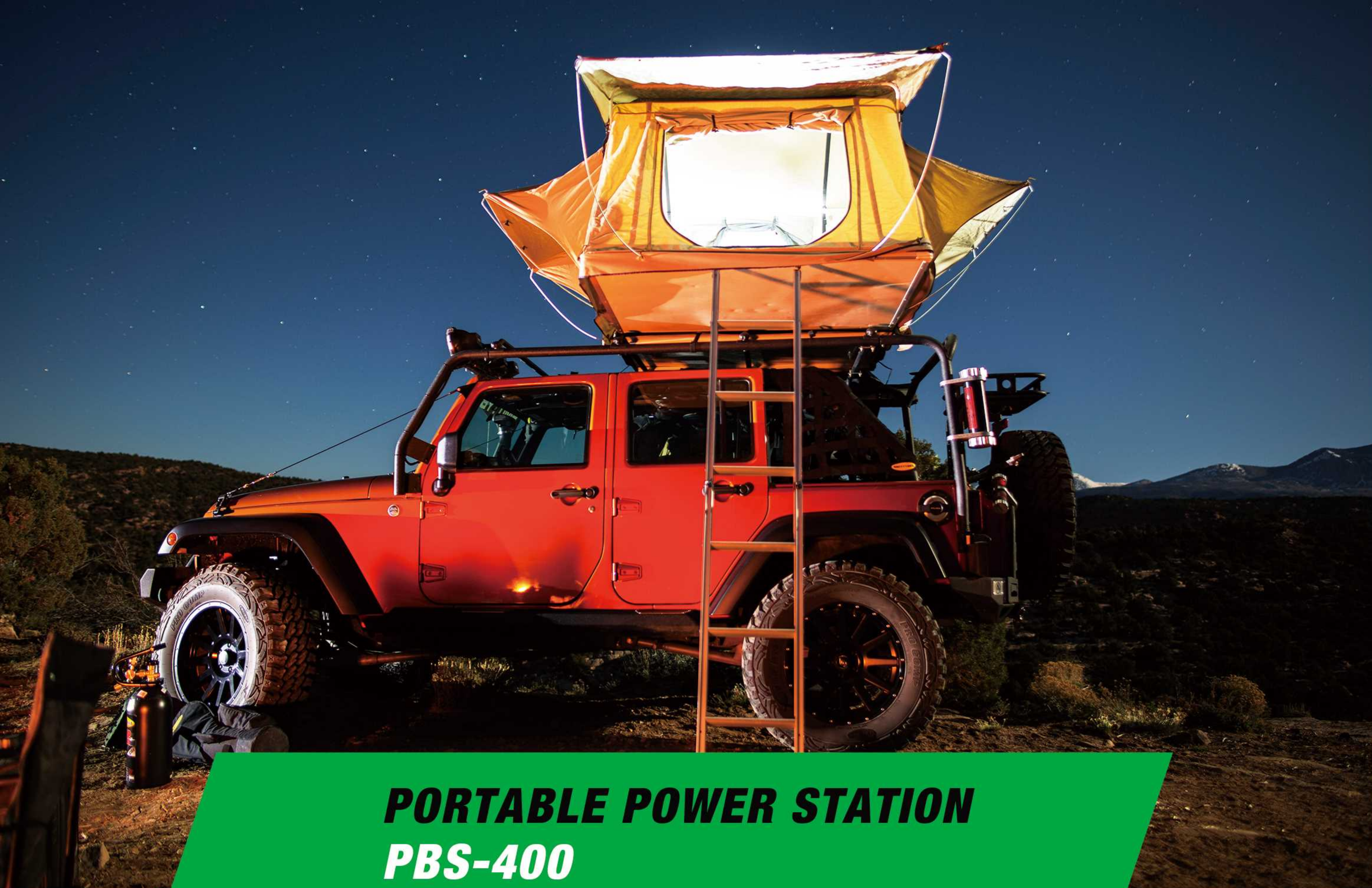
This LG Series off grid hybrid solar power storage system can help ordinary users to easily built a off grid solar power storage system.With all essential parts and modules are properly configured and built into the system,the user just need to deploy the solar panels on the open land or on the roof, a self-owned solar power station is built, then start to plug and play.



Model	LG-3K5H	LG-5K5H	LG-5K10H
System type	Off grid solar energy storage system		
AC Input			
Input voltage	220VAC		
Input voltage range	95-285VAC		
Input Frequency	50Hz or 60Hz (auto-sensing)		
Input connector	Terminal block L+N+PE		
AC Output			
Rate power	3000W	5000W	5000W
Peak power	6000VA(for less than 100ms)	10000VA(for less than 100ms)	10000VA(for less than 100ms)
Output Voltage	220Vac	220Vac	220Vac
Output frequency range	50Hz or 60Hz ±0.1%	50Hz or 60Hz ±0.1%	50Hz or 60Hz ±0.1%
Transfer time	10ms(UPS mode), 20ms(Appliance mode)	10ms(UPS mode), 20ms(Appliance mode)	10ms(UPS mode), 20ms(Appliance mode)
Waveform	Pure sine wave	Pure sine wave	Pure sine wave
Overload capability	on battery mode: 1minute @ 102%~110% load; 10s @110%~130% load; 3s @130%~150% load; 200ms @>150% load		
Battery			
Battery Pack	LiFePO4, 25.6V/200AH	LiFePO4, 51.2V/100AH	LiFePO4, 51.2V/200AH
BMS	integrated BMS	integrated BMS	integrated BMS
Typical recharge time	AC charge: 2-3 hours, Solar charge: 4-6 hours	AC charge: 2-3 hours, Solar charge: 4-6 hours	AC charge: 2-3 hours, Solar charge: 4-6 hours
Charger			
AC charger	80A(max)	60A(max)	60A(max)
Solar charge controller	MPPT, 29.6V,100A (max)	MPPT, 51.2V,100A (max)	MPPT, 51.2V,100A (max)
Protection			
Full protection	Automatic detection, discharge,short circuit and overload protection		
Overload capability	Overload 110%~130%: Shutdown after 60s;Overload above 130%: Shutdown after 300ms.		
Display & Indicators			
Status display	Real time status, operation modes, load capacity, battery capacity, voltages, frequency. etc.		
Physical			
Operation Temperature	0~40 ℃		
Operation Humidity	Relative humiditiy 20-90%,Non condensing		
Noise	≤50dB		
System Size:	478*433*600mm	478*433*600mm	478*433*600mm
Weight:	68KGS	68KGS	118KGS

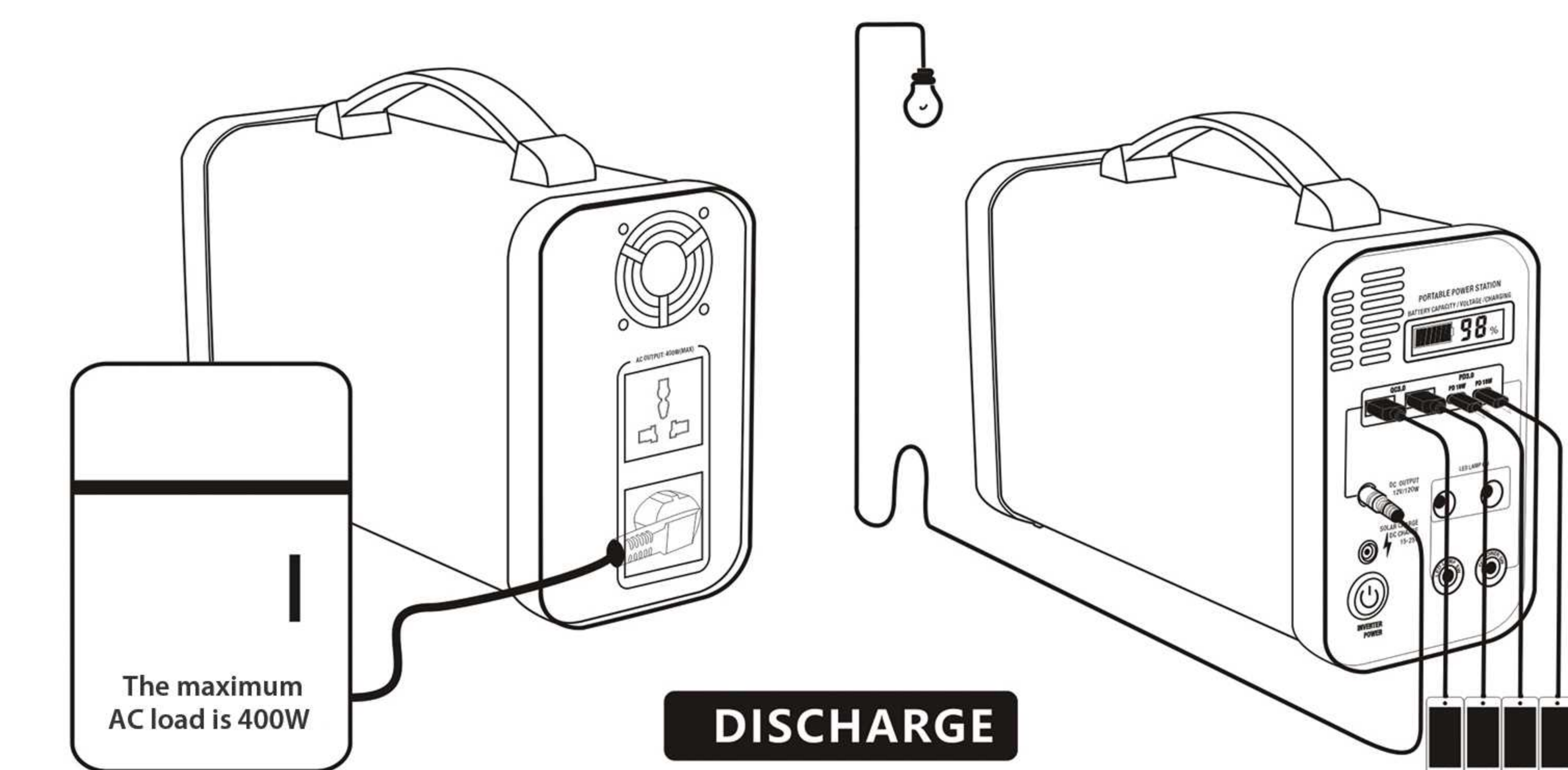
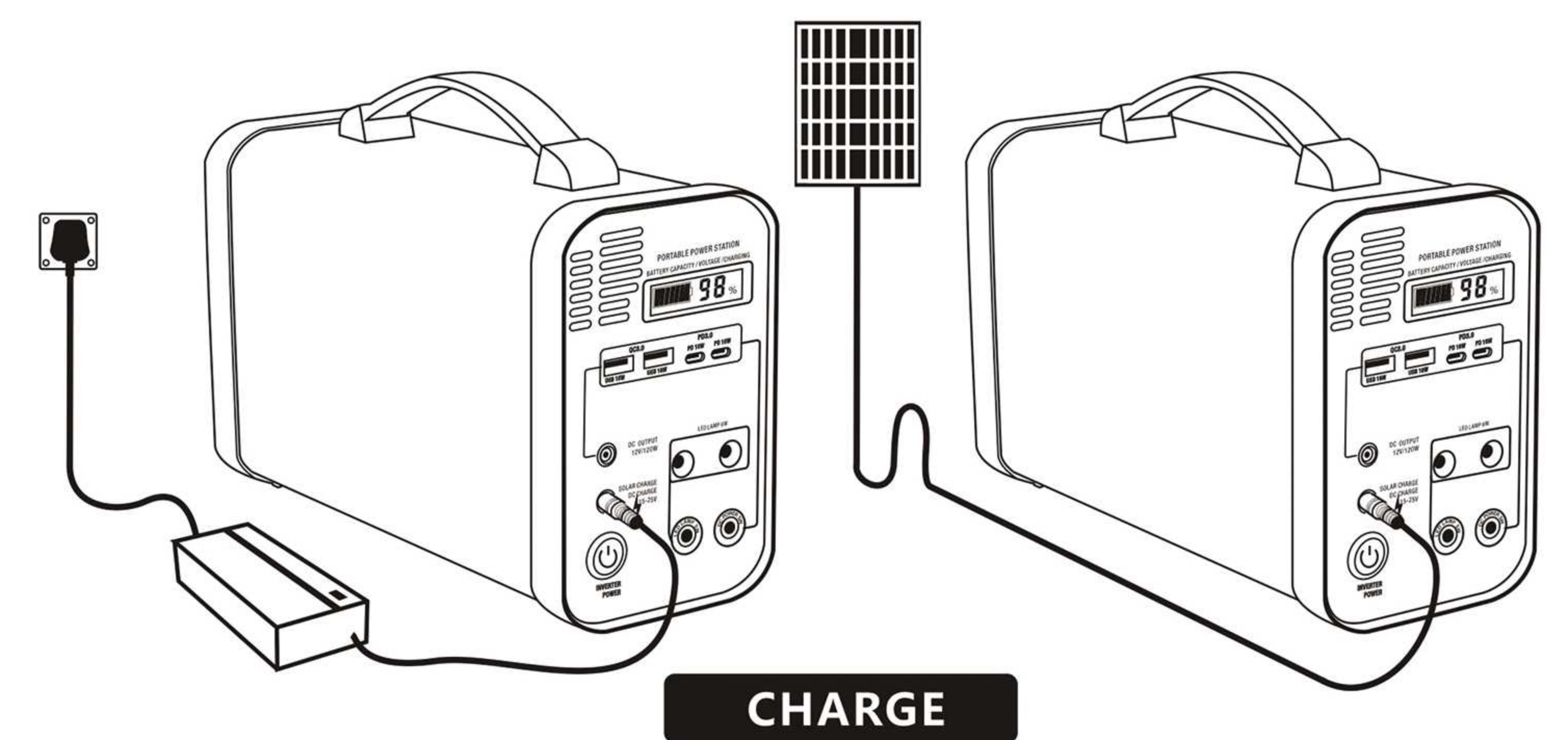
Ideally use for





PORTABLE POWER STATION **PBS-400**

The PBS-400 is an ideal portable power station taking for outdoor activity. The system is built with a 400W pure sine wave power inverter which can power 220V electricity appliances like fans, TV, projectors, small fridgerator, QC3.0 fast USB charge ports and PD3.0 fast charge ports to charge smart phone, pad very quickly. Apart from these, it has a 6W LED lamp for reading and lighting. The station is compact and light, packed with high quality anodized aluminum housing.



Model	PBS-400
Power capacity	400VA/400W
Charger	
Input voltage	110V/220VAC
Charge voltage	15-25V
Charge current	19V/5A
Input connector	DC022B terminal
AC Output	
Output voltage	110VAC or 220VAC±10%
Output frequency range	50Hz or 60Hz ±1Hz
Waveform(battery mode)	Pure sine wave
DC Output	
12V DC charge ports	1 Nos, with charge current 10A max
5V USB-A ports	QC 3.0 2 Nos, 18W each
5V USB-C ports	PD 3.0 2 Nos, 18W each
Lighting	
Reading lamp	2 *3W LED reading lamp
Battery	
Battery type x qty	11.1V/30AH Lithium battery pack
Charge current	5A(max)
Typical recharge time	6 hours recover to 90% capacity
Protection	
Full protection	Automatic detection, discharge,short circuit and overload protection
Overload capability	Overload 110%~130%: Shutdown after 60s;Overload above 130%: Shutdown after 300ms.
Display & Indicators	
LCD Display	Battery Capacity in percentage, battery voltage, Flashing Charging indicator
Solar panel	Optional* 18V 50W~100W
Physical	
Operation Temperature	-15~50 ℃
Operation Humidity	Relative humidity 20-90%,Non condensing
Noise	≤40dB
Net Weight	4.1kgs
Dimensions(LXWXH)mm	105*167*270mm

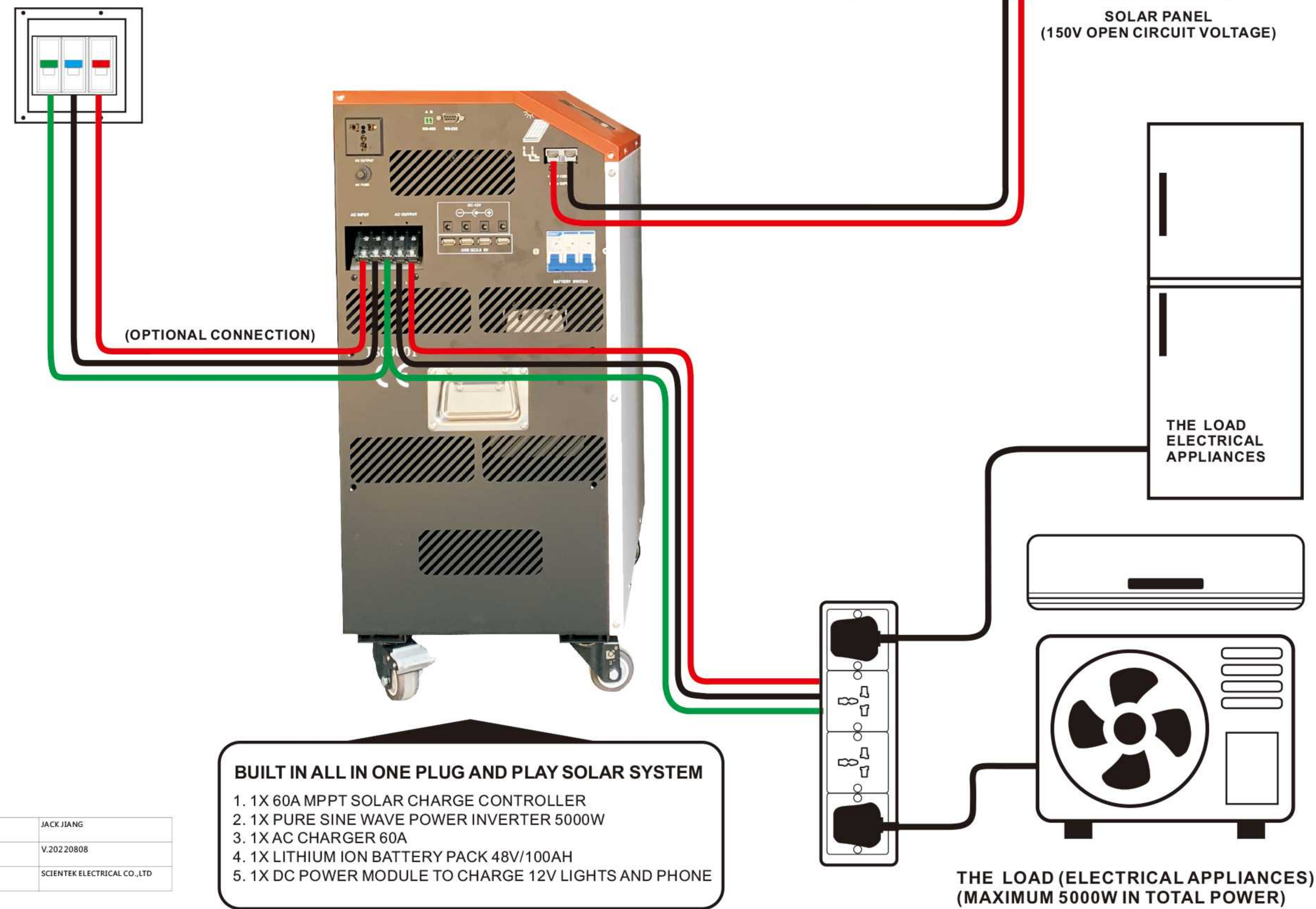
Ideally use for





WIRING DIAGRAM OF THE SPG-5000 OFF GRID SOLAR POWER GENERATOR SYSTEM

AC MAINS/GRID POWER/GENERATOR



DRAWN BY	JACK JIANG
VERSION	V.20220808
COMPANY	SCIENTEK ELECTRICAL CO.,LTD



HOME SOLAR POWER SYSTEM **SPG-5000**

This SPG-5000 5000W off grid hybrid solar power storage system can help ordinary users to easily built a off grid solar power storage system. With all essential parts and modules are properly configured and built into the system, the user just need to deploy the solar panels on the open land or on the roof, a self-owned solar power station is built. then start to plug and play.

Model	SPG-5000
System type	Off grid hybrid solar power storage system
AC Input	
Input voltage	220VAC
Input voltage range	185-264VAC
Input Frequency	50Hz or 60Hz (auto-sensing)
Input connector	Terminal block L+N+PE
AC Output	
Rate power	5000W
Peak power	10000VA(for less than 100ms)
Output Voltage	220Vac
Output frequency range	50Hz or 60Hz $\pm 0.1\%$
Transfer time	10ms(AC bypass mode), 20ms(battery mode)
Waveform	Pure sine wave
Overload capability	on battery mode: 1minute @ 102%~110% load; 10s @110%~130% load; 3s @130%~150% load; 200ms @>150% load
Battery	
Battery type x qty	BYD lithium ion battery cell, 48V/100AH capacity
BMS	integrated BMS
Typical recharge time	AC charge: 2-3 hours, Solar charge: 3-4 hours
Charger	
AC charger	48V,60A(max)
Solar charge controller	MPPT, 48V,60A (max)
Solar panels	
Power and numbers	4pcs of Mono 450W solar panels
Size	2150*1030*65mm
DC Output	
12V DC charge ports	2 Nos, with charge current 10A max
5V USB ports	2 Nos, with charge current 1A max
Protection	
Full protection	Automatic detection, discharge,short circuit and overload protection
Overload capability	Overload 110%~130%: Shutdown after 60s;Overload above 130%: Shutdown after 300ms.
Display & Indicators	
Status display	Real time status, operation modes, load capacity, battery capacity, voltages, frequency. etc.
Physical	
Operation Temperature	0~40 $^{\circ}\text{C}$
Operation Humidity	Relative humidity 20-90%,Non condensing
Noise	$\leq 50\text{dB}$
System Size:	478*313*688mm
Gross Weight	Solar panel package: 100kgs +system: 95kgs
Packaging dimensions	Solar panel package: 2150*1050*260mm + system: 478*313*688mm

Ideally use for



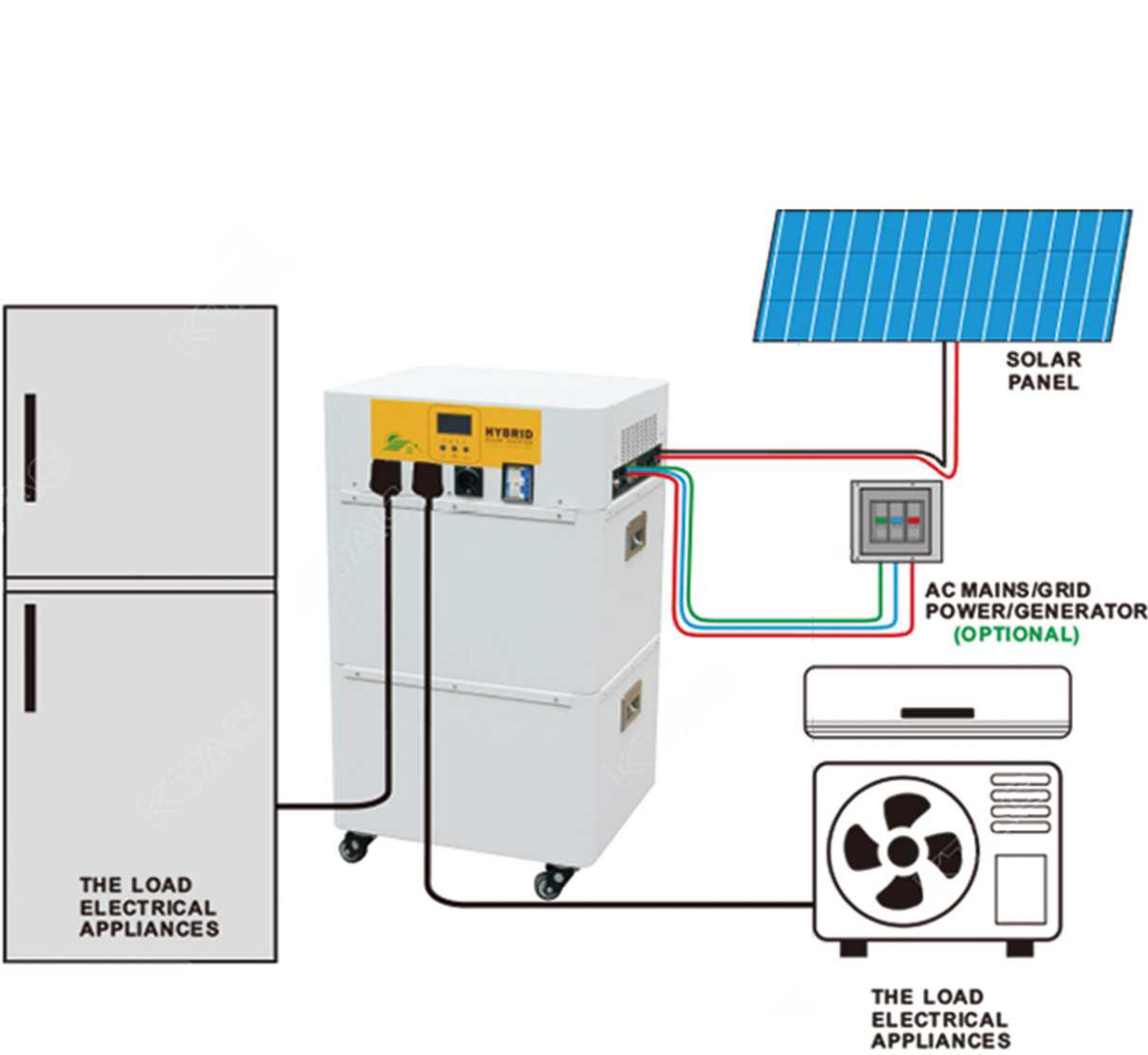


HOME SOLAR POWER SYSTEM SPG SERIES

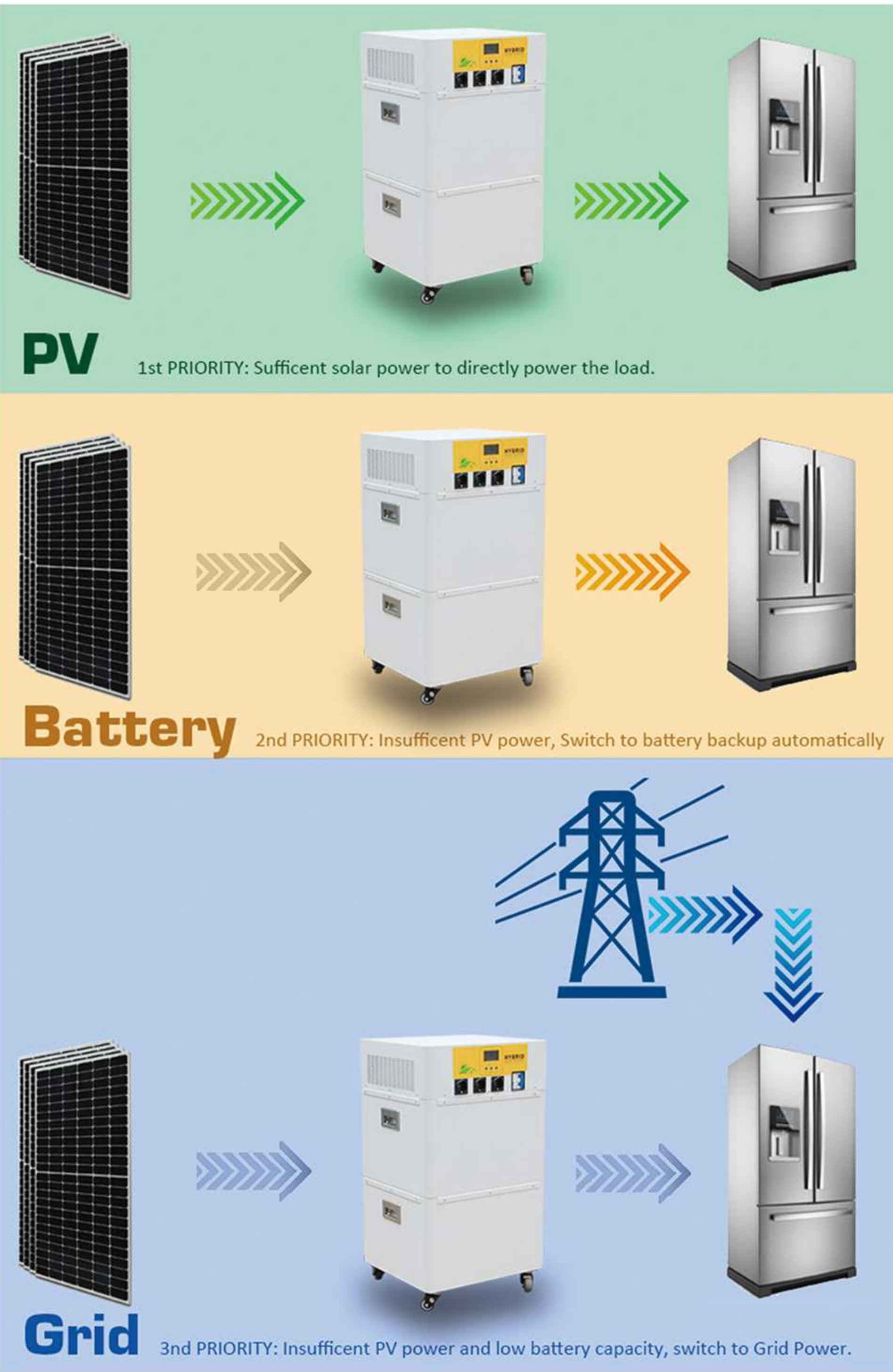


HOME SOLAR POWER SYSTEM **SPG SERIES**

This SPG Series off grid hybrid solar power storage system can help ordinary users to easily built a off grid solar power storage system. With all essential parts and modules are properly configured and built into the system, the user just need to deploy the solar panels on the open land or on the roof, a self-owned solar power station is built. then start to plug and play.



WIRING DIAGRAM OF THE SPG SOLAR ENERGY STORAGE SYSTEM



Model	SPG-3K50		SPG-5K50	SPG-5K100
System type	Off grid solar energy storage system			
AC Input				
Input voltage	220VAC			
Input voltage range	155-264VAC			
Input Frequency	50Hz or 60Hz (auto-sensing)			
Input connector	Terminal block L+N+PE			
AC Output				
Rate power	3000W	5000W	5000W	
Peak power	6000VA(for less than 100ms)	10000VA(for less than 100ms)	10000VA(for less than 100ms)	
Output Voltage	220Vac			
Output frequency range	50Hz or 60Hz ±0.1%			
Transfer time	10ms(UPS mode), 20ms(Appliance mode)			
Waveform	Pure sine wave			
Overload capability	on battery mode: 1minute @ 102%~110% load; 10s @110%~130% load; 3s @130%~150% load; 200ms @>150% load			
Battery				
Battery type x qty	lithium ion battery cell, 51.2V/100AH capacity	lithium ion battery cell, 51.2V/100AH capacity	BYD lithium ion battery cell, 51.2V/100AH*2 capacity	
BMS	integrated BMS			
Typical recharge time	AC charge: 2-3 hours, Solar charge: 4-6 hours			
Charger				
AC charger	29.6V,60A(max)	59.2V,80A(max)	59.2V,100A(max)	
Solar charge controller	MPPT, 29.6V,60A (max)	MPPT, 51.2V,80A (max)	MPPT, 51.2V,100A (max)	
Solar panels				
Power and numbers	3pcs of Mono 300W solar panels (Optional)	5pcs of Mono 300W solar panels (Optional)	6pcs of Mono 410W solar panels (Optional)	
Size	1650*990*40mm	1170*990*35mm	1690*1160*35mm	
Protection				
Full protection	Automatic detection, discharge,short circuit and overload protection			
Overload capability	Overload 110%~130%: Shutdown after 60s;Overload above 130%: Shutdown after 300ms.			
Display & Indicators				
Status display	Real time status, operation modes, load capacity, battery capacity, voltages, frequency. etc.			
Physical				
Operation Temperature	0~40 ℃			
Operation Humidity	Relative humidity 20-90%,Non condensing			
Noise	≤50dB			
System Size:	450*505*580mm	450*505*580mm	450*505*890mm	
Weight:	78KGS	82KGS	144KGS	

Ideally use for





If the UPS is fully charged, you can take it in a warehouse without power supply and power the barcode printer for more than **10 Hours**



If the UPS is fully charged, you can power the fan for more than **12 Hours**

SYTEM WIRING EXAMPLE



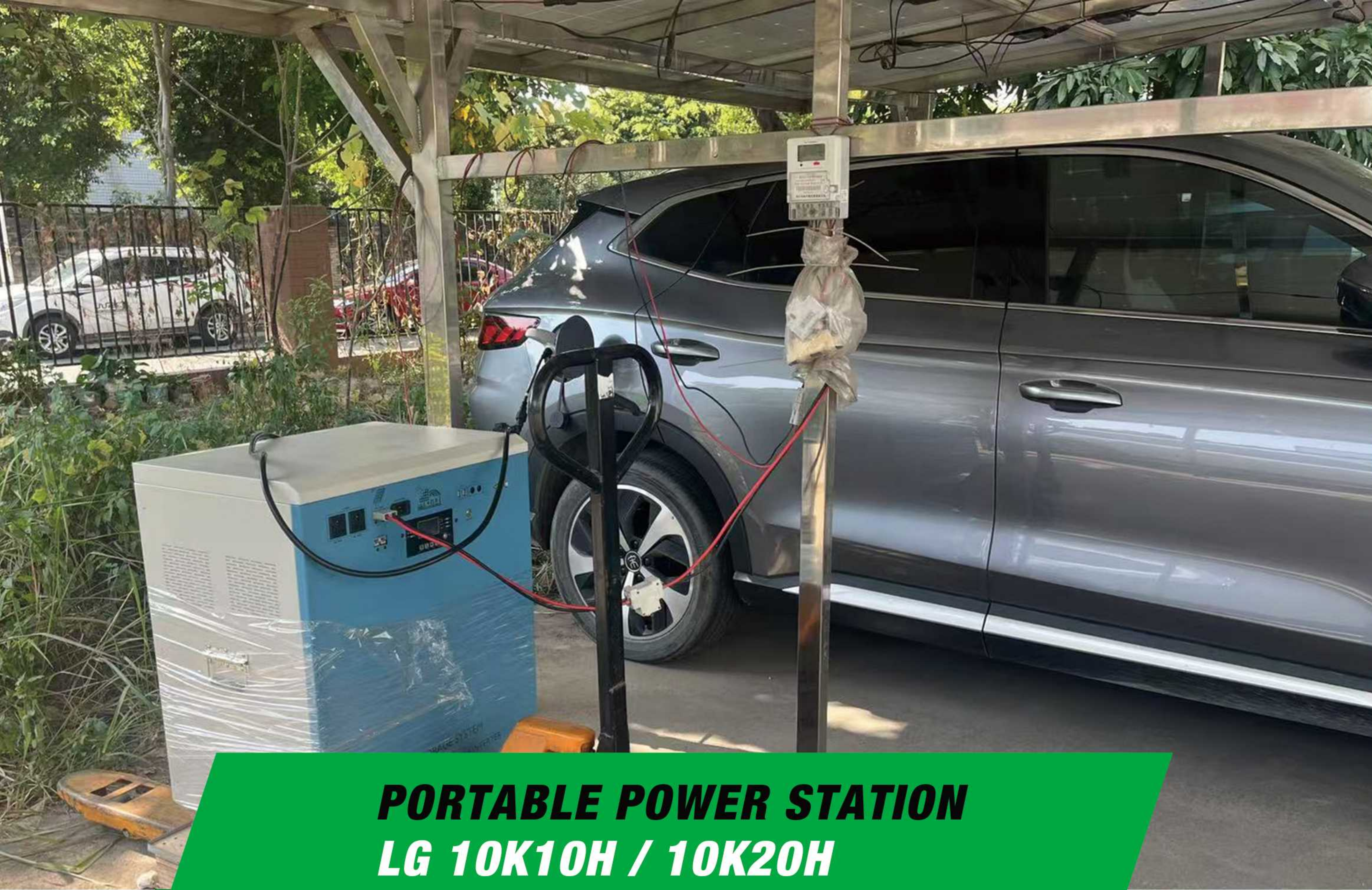
SOLAR UPS **UPS-500SL**

This UPS is featured with long time autonomy, unlike traditional UPS which only power the load for a few minutes, this one is aimed to backup the load for hours, built in 5A AC charger and solar charger makes this UPS easy to be charged with both grid power or only solar power. It has 2 AC power sockets makes it fit most small electronics power senarios. 2 Nos of 5V USB chargers allow the user's to charge their smart phones for hundreds times, 2 Nos of 12V DC charge ports can power lamps in power outage dark nights. 12V/24AH Gel battery is capable to power a set of office computer for up to 5hours. This UPS is ideal to power the PC, cash terminal, fans, TV and CCTV cameras.

Model	UPS-500SL
Power capacity	500VA/300W
AC Input	
Input voltage	110V/220VAC
Input voltage range	90V-135V/145-270VAC
Input Frequency	50Hz or 60Hz (auto-sensing)
Input connector	Power plug
AC Output	
Output voltage	110VAC or 220VAC±10%
Output frequency range	50Hz or 60Hz ±5%
Transfer time	Typical 2-4ms
Waveform(battery mode)	Modified sine wave
DC Input	
Input voltage	18-30VDC
Input connector	DC022B terminal
DC Output	
12V DC charge ports	2 Nos, with charge current 10A max
5V USB ports	2 Nos, with charge current 1A max
Battery	
Battery type x qty	12V/24Ahx1
Charge current	5A(max)
Typical recharge time	6 hours recover to 90% capacity
Protection	
Full protection	Automatic detection, discharge,short circuit and overload protection
Overload capability	Overload 110%~130%: Shutdown after 60s;Overload above 130%: Shutdown after 300ms.
Display & Indicators	
Status display	LED indicators: AC & charge, solar charge, battery capacity level. (10%,25%,50%,75%,100%)
Remote controller	Wireless remote controller, operation range: 80 meters
Physical	
Operation Temperature	-15~50 ℃
Operation Humidity	Relative humidity 20-90%,Non condensing
Noise	≤40dB
Net Weight	10.6kgs
Dimensions(LXWXH)mm	265x215x145mm

Ideally use for





PORTABLE POWER STATION **LG 10K10H/20H**

This LG Series off grid hybrid solar power storage system can help ordinary users to easily built a off grid solar power storage system.With all essential parts and modules are properly configured and built into the system,the user just need to deploy the solar panels on the open land or on the roof, a self-owned solar power station is built, then start to plug and play.

Model	LG-10K10H	LG-10K20H
System type	Off grid solar energy storage system	
AC Input		
Input voltage	220VAC	
Input voltage range	95-285VAC	
Input Frequency	50Hz or 60Hz (auto-sensing)	
Input connector	Terminal block L+N+PE	
AC Output		
Rate power	10KW	10KW
Peak power	20KVA(for less than 100ms)	20KVA(for less than 100ms)
Output Voltage	220V/230Vac	220V/230Vac
Output frequency range	50Hz or 60Hz ±0.1%	50Hz or 60Hz ±0.1%
Transfer time	10ms(UPS mode), 20ms(Appliance mode)	10ms(UPS mode), 20ms(Appliance mode)
Waveform	Pure sine wave	Pure sine wave
Overload capability	on battery mode: 1minute @ 102%~110% load; 10s @110%~130% load; 3s @130%~150% load; 200ms @>150% load	
Battery		
Battery Pack	LiFePO4, 51.2V/200AH	LiFePO4, 51.2V/400AH
BMS	integrated BMS	integrated BMS
Typical recharge time	AC charge: 2-3 hours, Solar charge: 4-6 hours	AC charge: 2-3 hours, Solar charge: 4-6 hours
Charger		
AC charger	100A(max)	100A(max)
Solar charge controller	MPPT, 51.2V,200A (max)	MPPT, 51.2V,200A (max)
Protection		
Full protection	Automatic detection, discharge,short circuit and overload protection	
Overload capability	Overload 110%~130%: Shutdown after 60s;Overload above 130%: Shutdown after 300ms.	
Display & Indicators		
Status display	Real time status, operation modes, load capacity, battery capacity, voltages, frequency. etc.	
Physical		
Operation Temperature	0~40 ℃	
Operation Humidity	Relative humiditiy 20-90%,Non condensing	
Noise	≤50dB	
System Size:	600*313*680mm	600*313*680mm
Weight:	120KGS	190KGS

Ideally use for





PORTABLE POWER STATION

PBS-1000



iphone (10WH)



ipad (30WH)



Typical laptop



Drone (45W)



Fan (20W)



teakettle(800W)



rice cooker(500W)



Coffee machine(600W)



LCD TV(80W)



Car fridgeraotr (40W)



Model	PBS-1000
System type	Portable power bank
AC Output	
AC output voltage	220V-240V
AC rated output power	1000W±10%
AC output peak power	2000W
Rated output energy	1165Wh
AC frequency	50Hz
AC output waveform	Pure sine wave
AC Output	
4*DC5.012v outputtotal	12V/8A
USB-QC3.0 Output	18W(5V,9V, 12V)
USB-type-C-PD Output	40W(5V9V12V15V20V 65W(5V9V12V15V20V
MPPT	25V/500W
DC working voltage	20V-30V
Efficiency	
conversion efficiency	≥92%
Battery	
Battery type	LiFePO4
Assembly method	7S 8S
Nominal voltage	19.2V/25.6V
Rated capacity	52Ah
Rated energy	998Wh-1331Wh
Charging cut-off voltage	25.9V-29.2V
Maximum continuous charging current	20A
Discharge cut-off voltage	18V-20V
Maximum continuous discharge current	80A
cycle life	≥3000 cycles
Protection	
Full protection	Low-voltage protection, high-voltage protection , Short circuit protection
AC overload protection	1200W±10% , Last for 3S
High temperature protection	80°C
Overcharge protection voltage	25.5V-29.5V
Over discharge protection voltage	17.5V-29.2V
Overcurrent protection current	150A
Display & Indicators	
Display	LCD
Flashlight	LED-3W
Physical	
MPPT solar charging module	20A
Storage temperature	30°C-60°C±3°C
Dimension(mm)	L345*W212*H240
Weight(kg)	15.5Kg

Ideally use for



PORTABLE POWER STATION **PBS-1000**