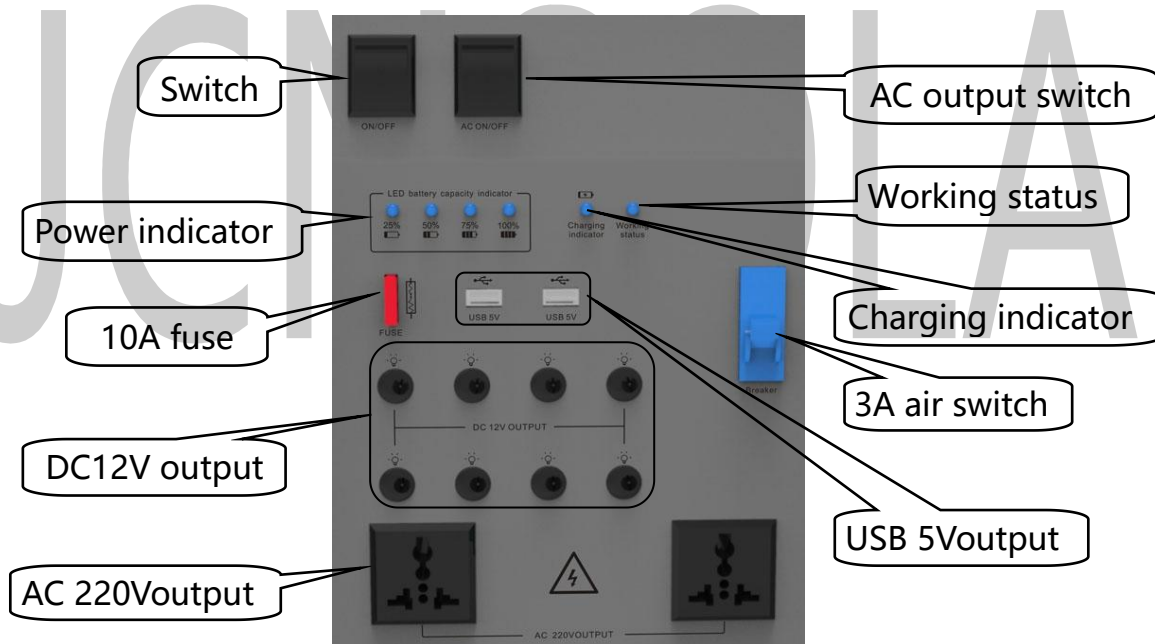


Specification of Solar Power Pystem

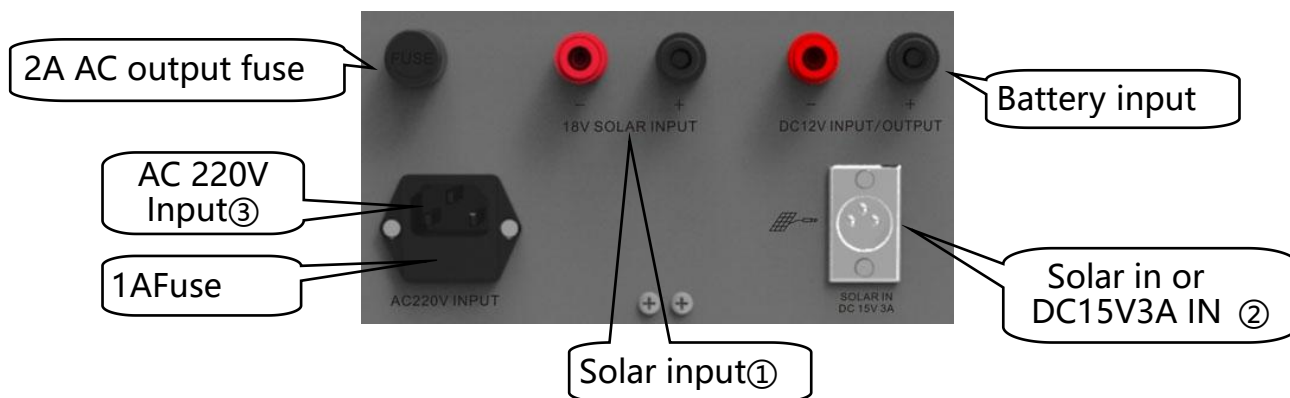


I . Operational approach

1.Function indicator diagram



(Face in front)



(The back)

2. System operation procedure:

(1) Press the main switch, and turn on the air switch, the status indicator will be blue. battery indication light (If fully charging, the indicator s will all light; if not, the indicator will show 25%-75% or 25%-50% or 25%), it indicates system has already been normal operation)

(2) If need use AC 220V output, please turn on AC output switch, AC output indication light, indicates system AC 220v output normal work

Note : Don't load over max rated power 500W or inductive load on AC 220V output.

(3) Please insert the load to "USB5V OUTPUT" or "DC12V OUTPUT" port to recharge cell phone \ digital or DC 12V LED light load.

(4) System charging

(4-1) solar panel charging

First way: Please connect the cable of solar panel to solar charging interface (solar panel in ①), before charging, (solar panel red cable connect to input interface black cable connect to input interface) be sure that cable has been inserted tightly.

(4-2) Charging by solar panel or AC Adapter

Before charging, Put the Solar panel cable or AC adapter (15V, 3A) cable into the system "solar charging interface (solar in & AC IN ②)", be sure that cable has been inserted tightly.

Note : The best charging time of solar panel is 10:00am-3:00pm, Adjust the direction of solar panel at set intervals, keep solar panel and land be 30-45 degree and ensure facing sun at largest area. The mist will have some influence for solar panel charging, solar panel can adapt to sun and rain, more sunlight more power, can be installed outdoor for a long term, facing the sun.

(4-3) AC Charging

Put the triangle plug connected to the system of "AC 220 v charging interface (3)", to ensure that the wire has been normal insert and firmly, and then inserted the other end plug in the mains socket.

(4-4) Charging indicator is lighting when it is charging ,full power indicator is lighting when the battery is fully charged.

(4-5) When the system is charging, if there is no load connecting to it, please turn off the power button to make it fully charged the soonest.

(5) if you want to increase one more piece of maintenance-free lead-acid batteries, please put the battery is connected to the external port "battery" (the positive to the positive, negative on cathode), note the battery meter not secure, and cannot meet the anti across the electrodes of the battery, otherwise it will damage to the system components.

Note : An external maintenance-free lead-acid battery voltage must be 12v, No need care the capacity.

(6) System Protection

(6-1) During the system working, if DC output is too large, or the battery short circuit, the fuse is burnt, the system will automatically shut down all the output, then you need to change after 10A fuse, the system can return to normal.

(6-2) During the system working, if AC output is too large, or the battery short circuit, the fuse is burnt, the system will automatically shut down all the output, then you need to change after 2A fuse, the system can return to normal.

(6-3) During the system working, if AC input current is too large, the fuse is burnt, the system will

automatically shut down all the output, then you need to change after 1A fuse, the system can return to normal.

(6-4) System has overcharging and discharging function.

II. Parameter Specification

Solar panel	18V solar panels lower than 200W(no-load21.5V)		
Inverter	DC12V-AC220V , 500W Pure sine		
Output volt	DC12V x 8 output ports , Max output current : 5A ; USB 5V 1A x2output ports ; AC 220Vx2 output ports , Max output current : 2A		
Internal battery	12V45AH~65AH , maintenance-free lead-acid battery		
Charging time	Depends on recharge method		
Recharging time	Depends on loading power		
Rated charging current	< 20A	Rated discharge current	5A
System volt	12V	No-load loss	<50mA
Overvoltage	14.4V	Boost voltage	15V
undervoltage	11.6V	Overdischarge volt	10.5V
Control mode	recharge ; PWM(pulse width modulation)		
Working temperature	-10°C ~+55°C		
Overload/short circuit protection	10ms Response		
Guard circuit :	Overload/short circuit protection	Burn the fuse	

Note: the system configuration specific in kind prevail.

III. Attention

1. Please read this manual carefully before using the product.
2. Do not use parts or appliances that not meet product specification
3. Non-professionals can not be allowed to open the machine for maintenance, to avoid damage to the product.
- 4 . Note waterproof electric storage tank must be stored in a dry ventilated place.
- 5 . do not use the system near fire or under high temperature conditions.
- 6 . Please full charge the battery before the first use. Don't worry about overcharge problem with Internal overcharge protection. You can charge a long time.
- 7 . Please electricity in rainy days or seasons, turn off the main switch when not in use.
- 8 . When the product is left unused for a long time, please fully charge the battery at least once a month.