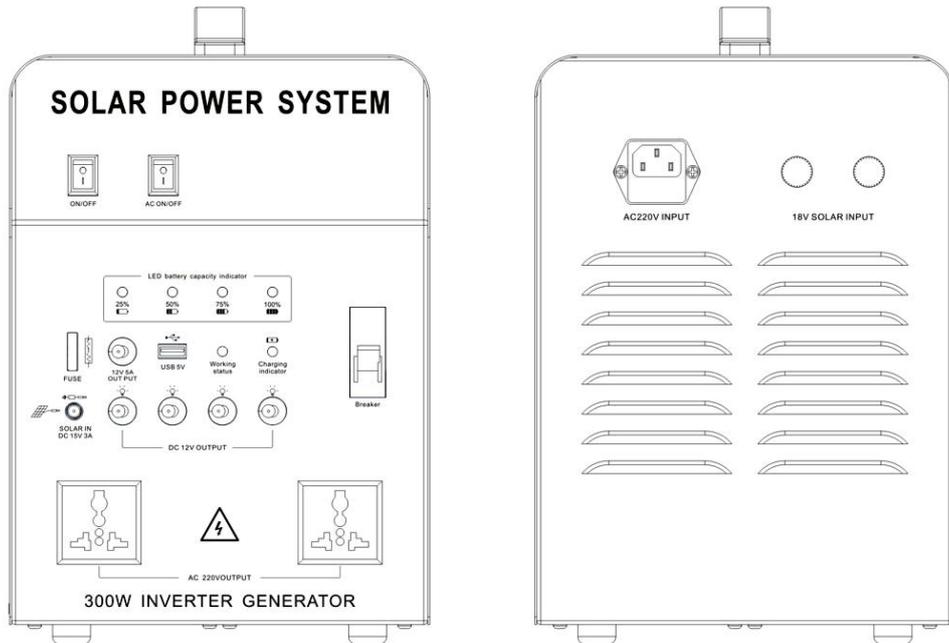
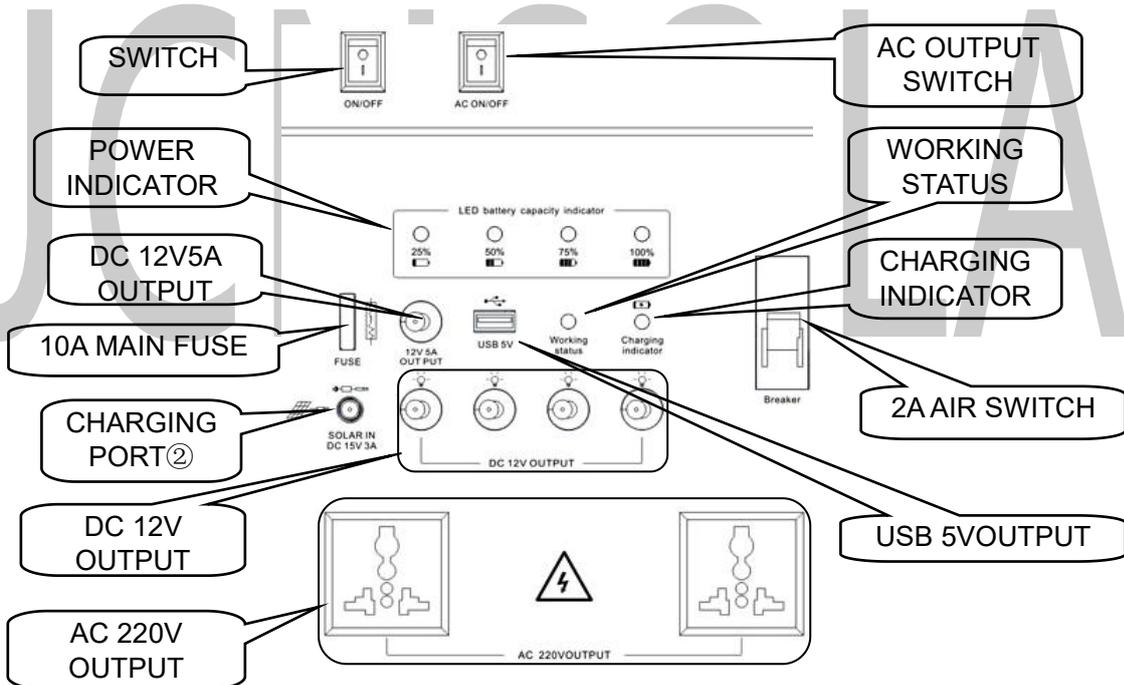


Specification of Solar Power System

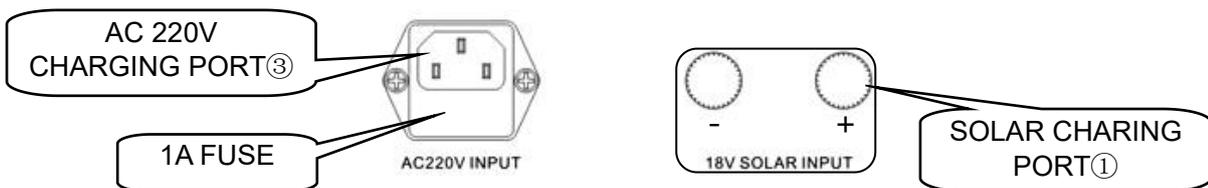


I . Operational approach

1.Function indicator diagram



(Face in front)



(The back)

2. Operating instruction

(1) Press the main Switch, and turn on the air switch, status indicator light will turn blue, Power indicators turn on (all power indicator lights will turn on when full of power; or parts turn on between 25%~75%/25%~50%/25%), it shows system turn on normally.

(2) To take AC 220V load, please turn on AC output switch, then insert the 220V load directly to "AC 220V OUTPUT".

Note : Don't load over max rated power 300W 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 Recharged

(4-1) Solar power recharge

Method 1. Before charging, please connect the wire of 18 v solar panels to the "SOLAR INPUT" port of the system, (solar panel's red wire connect the positive input port, the black connect the cathode input port), ensure the wire is inserted normally and strongly.

Method 2. Before charging, please connect the 15V adapter or DC5.5 solar power panel connector to the "CHARGING PORT②", ensure the wire is inserted normally and strongly.

Note: put the solar panels in sunny places facing the sun, first-rate moving follow to the sun's move; Solar panel's effective working time is 10 a.m to 3 p.m, make sure the solar panels face to the sun with 30 to 45 degree Angle with the ground, the cloud will influence the efficiency of solar power generation, but it can adapt to the weather, the more sunshine, the more power, it can be fixed in the outside, and face to the sun.

(4 - 2) Main AC Power recharge

Insert the triangular plug to "AC 220V INPUT" port, ensure the plug is insert normally and tightly. Then insert the other plug to the main socket.

(4 - 3) the charging indicator light turns on when the system is recharging , and all the power indicators turn on when full recharged.

(4 - 4) When recharging, please turn off the main switch to speed up recharging if no load.

(5) System protection

(5 - 1) When DC output too large or short circuit, the fuse will burnt and system will cut off all output, please replace 10A fuse to turn the system back to normal.

(5 - 2) When AC 220V output short circuit or too large, the air switch will trip out automatically and system will cut off all output, please turn on the switch to turn the system back to normal.

(5 - 3) When AC 220V input current too large, the fuse will burnt and system will cut off all output, please replace 1A fuse to turn the system back to normal.

(5 - 4) The system has overcharge and over discharge protection.

II. Parameter Specification

Solar panel	18V solar panels lower than 100W(no-load21.5V)		
Inverter	DC12V-AC220V , 300W Pure sine		
Output volt	DC12V x 4 output ports , Max output current : 5A ; USB 5V 1A x1output ports ; DC 12V5A x1 output ports , AC 220V x2 output port. Max output current : 1A		
Internal battery	12V24AH~35AH , maintenance-free lead-acid battery		
Charging time	Depends on recharge method		
Recharging time	Depends on loading power		
Rated charging current	< 5A	Rated discharge current	10A
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	0ms 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. Do not use electricity in rainy days or bad 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 onceeach month.