Solar Panel Schematic Diagram
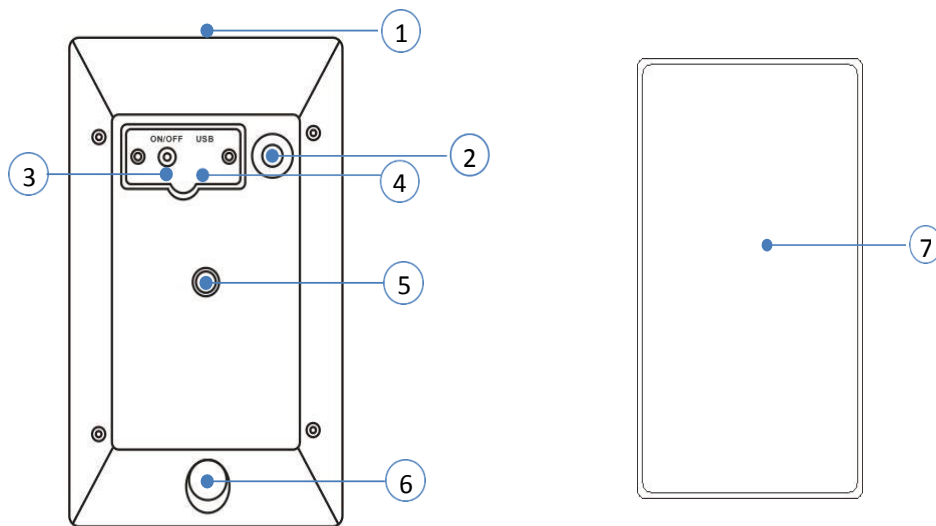

1, Battery indicator

2, 2.5v output interface (for connection to battery unit)

3, Power on/off button (long press for 3 seconds to turn off, press one second to turn on (press the power button again to check the power after turning on the power))

4, External 5V charging port

5, Bracket mounting position

6, Compass

7, Solar panel

Package

1pcs solar panel with bracket,

1pcs solar panel 3 meters Cable,
1pcs Manual for Solar Panel ,
 screws and small parts.

Specification

Solar Panel	
Built-in battery capacity	2 x 18650 lithium battery,)
Maximum output	5V/1.3A,Output over current protection, short circuit protection
Charging	Solar charging / external input power charging (5V)
Solar charging output	1.6W
Solar charging current	320mA
Support three boot modes	1.It detects that the solar output is greater than 0.2W. 2.Press the button to manually boot 3.Check load automatically boot
Triple	1.Over-discharge protection, the battery voltage is lower than 3.3V, cut off the discharge circuit.
Battery	2.Over-current protection, the charging voltage reaches 4.2V, and the charging is automatically cut off.
Protection	3.Temperature protection, stop charging at high temperature and low temperature ($>65℃,<2℃$)
Power management function	1.Stop the battery from entering the invalid state of charge. 2.More than 91% of the power output conversion rate, greatly reducing the loss of finite power.
Standard condition	1000W/㎡;25℃;AM1.5
Cable length	3 meters
Bracket	M6 Screw interface
Charging completion time	The weather is sunny for about 5 days
Installation Angle	Directions facing north, 45 degrees

Indicator status

Power-on indication: Press the power button for 1 second, and the 4 blue lights will be on for 4-5 seconds.

Shutdown indication: long press the 3 second power button, 4 blue lights flash continuously 3 times and the power is

 turned off successfully. Slow blue light flash: solar charging (or external power supply charging)

Indicator capacity indication: 1 lamp 25%, 2 lamps 50%, 3 lamps 75%, 4 lamps 100%

Setting method

1. Install the bracket on the solar panel.

2. Please set it higher than the ground to avoid the impact of rain.

3. Please set the solar panel to the place where the sunlight is received, facing the sun (direction facing north,45 degree).

Connection and usage

1. Connect the solar panel cable plug to the battery micro usb socket.

2. Press the power button for 1 second to turn it on or automatically switch (when the sun is received automatically

3. Connect solar panel cable with dummy camera cable