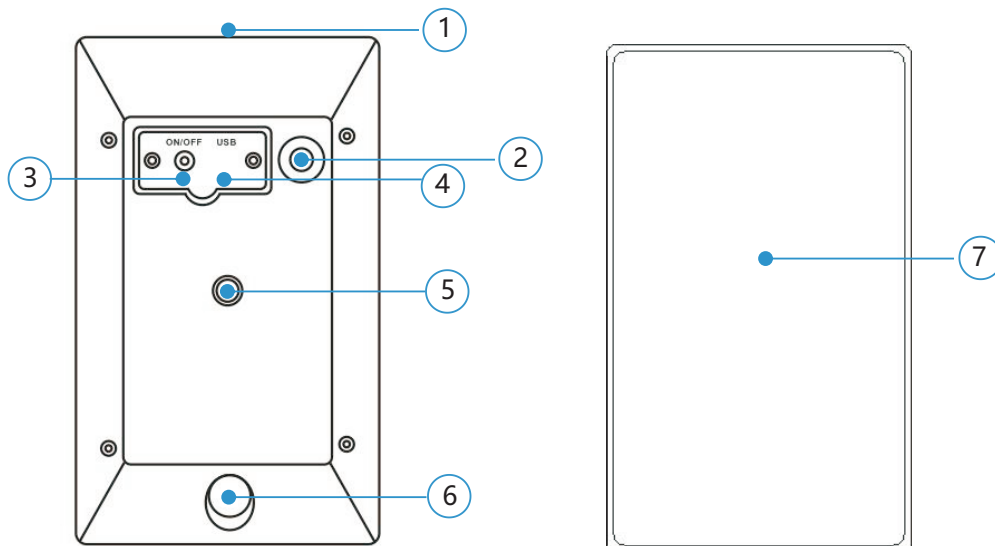# 5V 1.3A Solar Panel User Manual

Before Using

· Please check and make sure solar panel and accessories in good condition when item is received within 1 week.
· Our company is not responsible for accident and damages caused by installation or using mistakes.
· Product's design and specification may be updated without advance−notice.
· Keep product away from collision and pressure.
· Don't put product on heating furnace, otherwise, it may cause products or heater faults.
· Product illustration in user manual may be different from real product.

Instruction

1. Power indicator
2. 5V output connector
3. Power button (Long press 3s to turn off, short press 1s to turn on. Press again after turning on to check electric quantity)
4. External 5V charging connector
5. Mounting hold
6. Compass
7. Solar Panel

Specification

Built–in battery capacitor	2 pieces 18650 lithium batteries ，Sanyo 5200mAh
Max. Output	5V 1.3 A, output over–current protection, short–cut protection
Charging methods	1. Solar charging 2. External power charging (5V)
Solar panel charging output	1.6W
Solar panel charging current	320mA
Start–up modes	1. More than 0.2W solar power output is detected 2. Turn on by hand 3. Operation load is detected.
Triple battery protection	1. Over discharge protection, stop discharging when voltage is lower than 3.3V 2. Over current protection, stop charging when voltage is higher than 4.2V 3. Temperature protection, stop charging when temperature is higher than 65℃ or lower than 2℃
Power management	1. Stop invalid charging 2. Higher than 91% output conversion rate
Standard condition	1000W/m²; 25℃; AM1.5
Line length	3M, micro USB connector
Holder	M6 screw size
Full charged time	Sunny day, 5 days
Installation angle	Face South, 45 degree
Operation Temperature	–10 ~ 85
Storage Temperature	–20 ~ 50
Waterproof	IP66
Weight	290g
Dimension	142*87*28mm

Notes

Don' t repair or reform this product.
Use soft and clean cloth to wipe solar panel at regular intervals.

Indicator Status

1. Turn on: short press power button to turn solar panel on.
2. Turn off: short press power button to turn solar panel off.
3. Red indicators flash slowly: Solar panel is under charging (or connected with external power)
4. Capacity indicator: 1 indicator—25%, 2 indicators — 50%, 3 indicators — 75%, 4 indicators — 100%.

Setting Methods

1. Fix holder to solar panel mounting hole.
2. Fix solar panel at position higher than ground.
3. Fix solar panel in the place easily receiving sunlights, face south, at 45 degree.

Connection and Using Method

1. Connect USB cable to Camera.
2. Press power button 1s to turn solar panel on (Solar panel turns on automatically when sunlight is detected).