

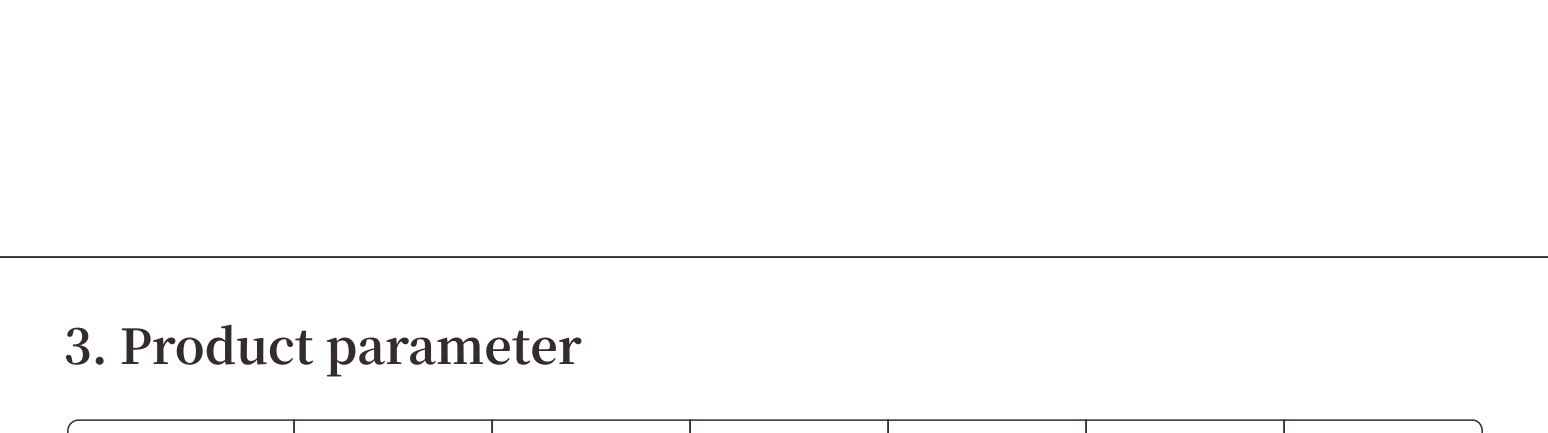
Specification of Transformer Solar Light (Regular)

1. Product Overview

This product is our patented product, designed to provide users with high-quality solar photovoltaic projection lamp, has passed CE, UL, etcA number of international certification. "Wiring free, easy to install", "high charging efficiency", "strong endurance" and "outstanding light efficiency"Features are the main advantages of this product. Large capacity lithium battery is built into the lamp body, which can absorb solar energy and convert it into electric energy by solar panelIt is stored in the battery and then supplied to the solar lamp. The products are widely used in family courtyard, farm, orchard, etc.

2. Product design

The company's product appearance designing team inherits the future SI-FI sense and the industrial visual style, arming to break through the traditional design of outdoor lighting products. Our patented product (patent number: 2020300165392) is out there to create a new visual appearance for outdoor lighting products, and strive to create the next hottest product in the market.!



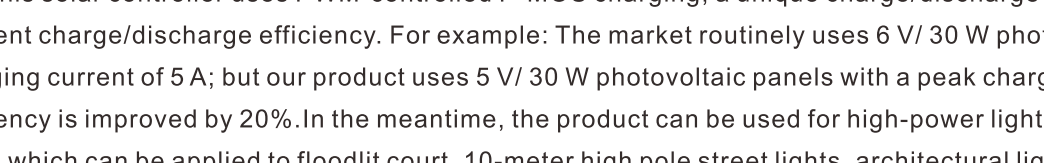
3. Product parameter

Model	100W	100W	200W	300W	400W	600W
Basic parameters						
Lamp body material	Die-casting aluminum	Die-casting aluminum	Die-casting aluminum	Die-casting aluminum	Die-casting aluminum	Die-casting aluminum
Lens material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Lamp body size (mm)	217*179*45	217*179*45	258*213*45	312*270*50	365*295*50	365*295*50
Number of LED (pcs)	82	82	144	236	324	324
Battery capacity (mah)	6000	12000	18000	24000	30000	36000
Photovoltaic panel	5V/12W (350*235mm)	5V/15W (350*290mm)	5V/25W (430*350mm)	5V/28W (500*350mm)	5V/35W (500*350mm)	5V/40W (630*350mm)
Discharge time	18 hours+	18 hours+	18 hours+	18 hours+	18 hours+	18 hours+
Discharge current	3. 3V/1.2A	3. 3V/1.8A	3. 3V/2.4A	3. 3V/3.8A	3. 3V/4.8A	3. 3V/5A
Luminous flux	530LM	730LM	1160LM	2600LM	3000LM	3050LM

4. Product advantages

1. High lumens, brightness increased by 30%

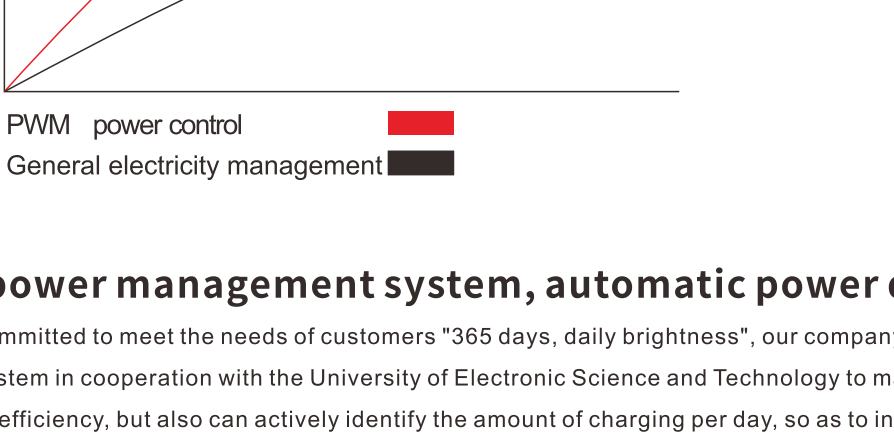
This product adopts the design of LED optical lens. The lens can effectively gather the ray of the light source to improve the brightness and reduce the light loss. The light is improved by more than 20 compared to the traditional reflector. At the same time, the PC (Teijin) material is used in the lens of this product which has a transmittance of 92 after processing, which is much higher than 80 of the transmittance. Summing up the advantages, under the same configuration, the overall lighting efficiency of this product is improved by 30-50% compared with competition



Note: the lens of this product can be used normally in the high temperature range of 125 °C and the low temperature of - 40 °C. The lens will not yellowing and brittle within 5 years. The material has passed many international certification.

2. P-Mos charging, charging efficiency increased by 20%

This solar controller uses PWM-controlled P-MOS charging, a unique charge/discharge management system with more efficient charge/discharge efficiency. For example: The market routinely uses 6 V/ 30 W photovoltaic panels with a peak charging current of 5 A; but our product uses 5 V/ 30 W photovoltaic panels with a peak charging current of 6A. The charging efficiency is improved by 20%.In the meantime, the product can be used for high-power lighting with a maximum power of 30 W, which can be applied to floodlit court, 10-meter high pole street lights, architectural lights, etc.

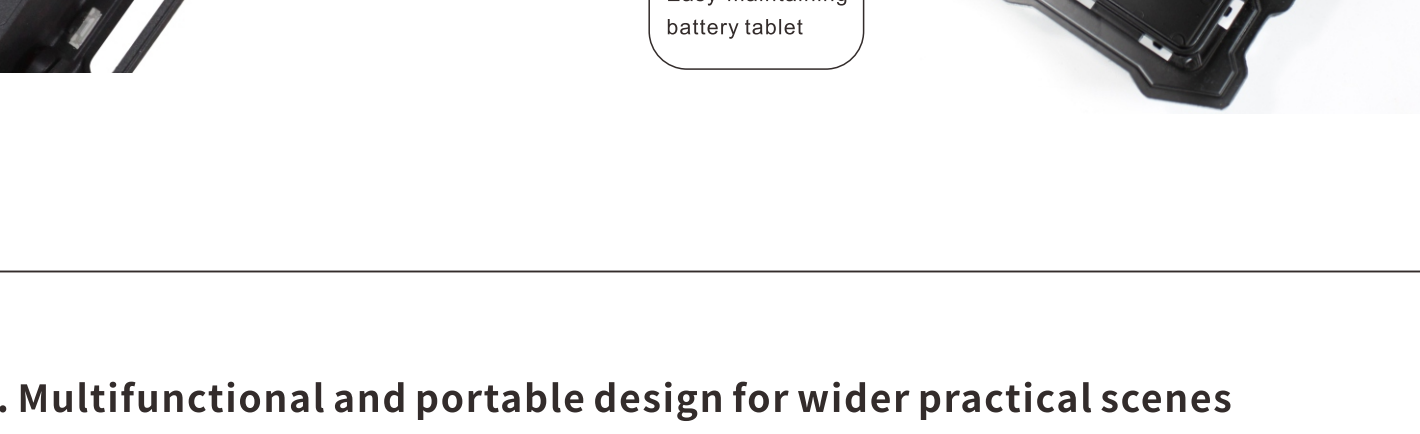


3. Smart power management system, automatic power distribution at night

We are committed to meet the needs of customers "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency. At the same time, the user can choose the radar module. After adding the radar module, users can pick a variety of brightness modes through the remote control, such as bum steady, full radar mode, 3 + X mode (steady light for 3 hours, automatically turn to radar after 3 hours), 4 + X mode (steady light for 3 hours, automatically turn to radar after 3 hours), etc. Users can choose the most suitable lighting and monitoring plan according to different regions and seasons. The radar sensing distance is 6-8 meters, which can be triggered continuously.

4. “Special” structural design to keep maintenance problems away

- Waterproof design.** This product adopts Snap-On design, does not need to be glued. It has the characteristics of quick assembly and easy opening and an IP 66 waterproof rating which means it can withstand a short period of shallow water immersion (please be careful).
- Tableting design.** The battery is fixed by metal pressing, which is better than the methods of the battery gluing in this very industry. It has the characteristics of not easy to fall off, easy disassembling and assembling for environmental protection.



5. Multifunctional and portable design for wider practical scenes

The product is equipped with high-end leather handles, which can be used as portable lights, emergency lights, etc. It is suitable for outdoor camping, night fishing and other application scenarios.



5. Lighting model

Power reduction in different modes	Model-On Time				
	0-0.5H	0.5H-2H	2H-4H	4H-5H	5H to morning
Normal mode	100-80%	80%-60%	60%-50%	50%-40%	40%-30%
Full radar mode	People will reduce the power according to the proportion of constant light mode, people will highlight; people will walk 10%				
3+X	In the first 3 hours, the power is reduced according to the proportion of the normal mode, and after 3 hours the power is transferred to radar induction				
4+X	In the first 4 hours, the power is reduced according to the proportion of the normal bright mode, and then the radar is sensed after 4 hours				

(Note: when the battery voltage is lower than 3.0V, the system will switch to radar mode.)

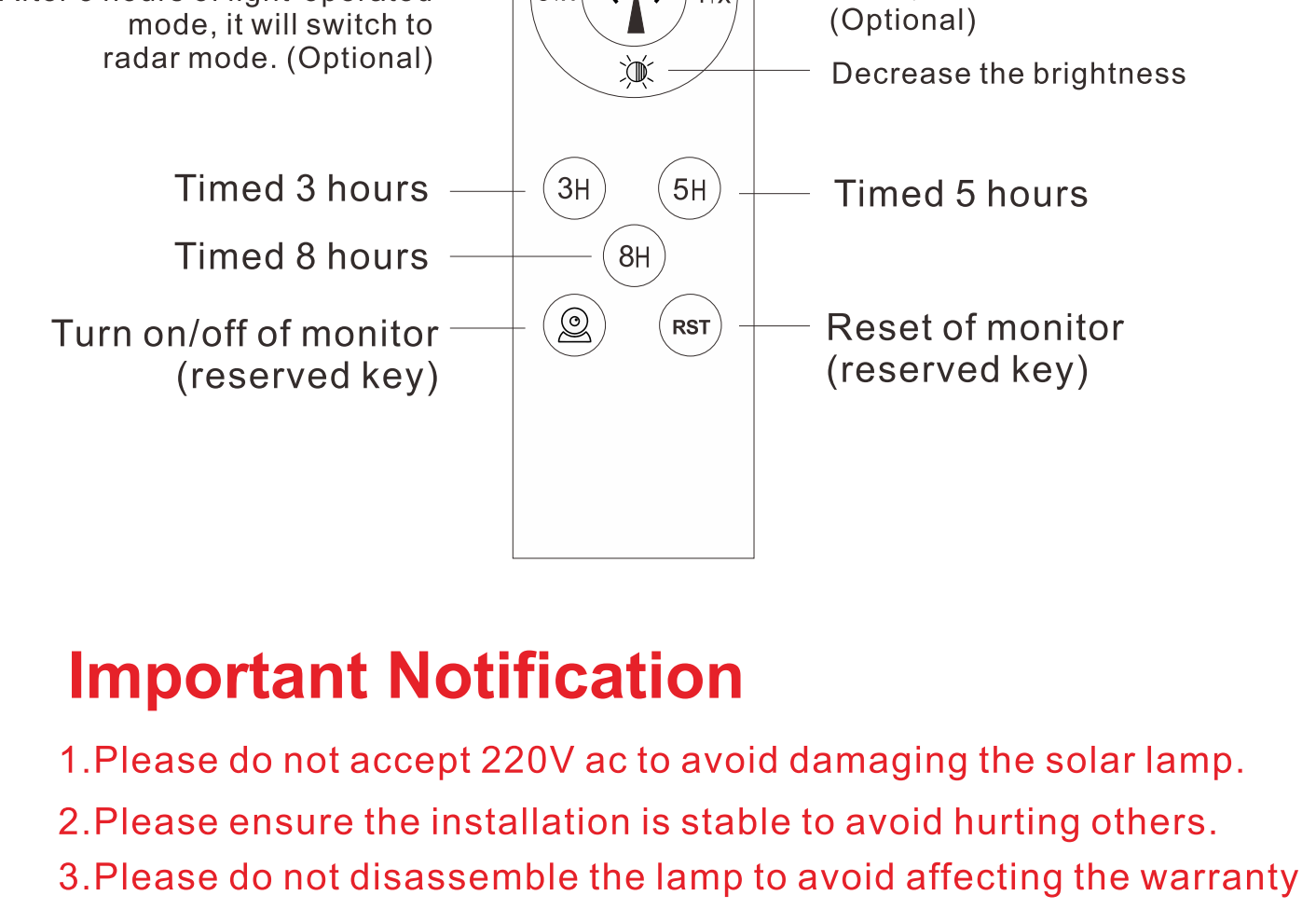
6. Illustration of remote control

Light-operated mode.

Tightening the waterproof wire and pressing the key “AUTO”, the light will automatically turn on in the dark and turn off to charge in the day.

(The remote control has memory function, you can set only once)

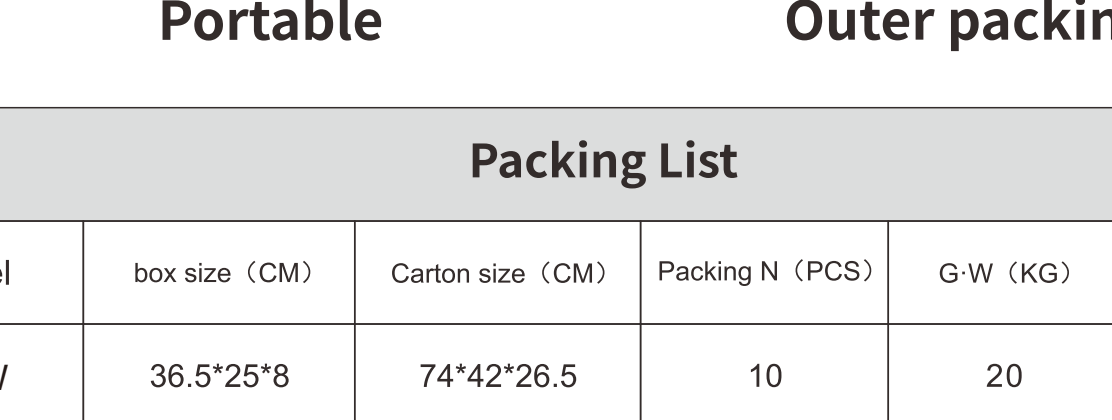
Remote-control. The specific functions are shown below.



Important Notification

- Please do not accept 220V ac to avoid damaging the solar lamp.
- Please ensure the installation is stable to avoid hurting others.
- Please do not disassemble the lamp to avoid affecting the warranty
- Please clean the dust on the solar panel surface every 3 months to avoid affecting the power generation efficiency.

7. Product packaging



Packing List					
Model	box size (CM)	Carton size (CM)	Packing N (PCS)	G-W (KG)	N-W (KG)
100W	36.5*25*8	74*42*26.5	10	20	17.5
100W	36.5*30.5*8	66*37.5*32	8	19	17.2
200W	44.5*36.5*8	54*45.5*38	7	23.45	20.65
300W	51.5*37.2*8.7	56*52.5*39	6	26.35	21.6
400W	59.5*37.2*8.7	60.5*46*39	5	25.7	22.5
600W	65*37.2*8.7	66*37*39	4	21.9	18.8

