

Interstellar Warrior

Solar street lamp specification

Product overview

This product is our patented product, designed to provide users with high-quality solar photovoltaic street 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. Products are widely used in courtyard, highway and other areas.

Product design

The product appearance is designed by our company's product visual design team, which is our patented product (patent number: 202030109075x). Product design concept inherits the future sense of science and technology and industrial visual style design. Dare to break through the traditional design style of outdoor lighting. For outdoor lighting products to create a new visual appearance, committed to creating the market's next outlet of popular products!



100W



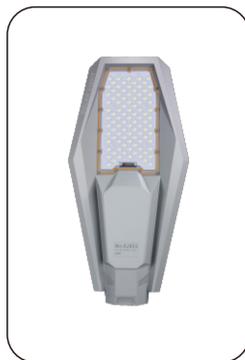
200W



300W



400W



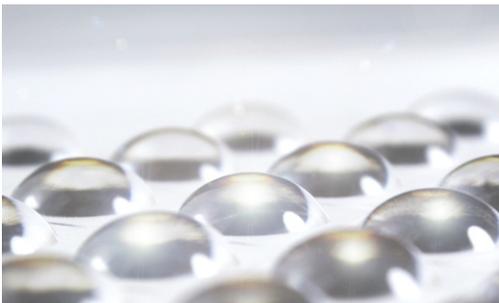
Product parameters

model	100W	200W	300W	400W
Basic parameters				
Lamp body material	Die casting aluminum	Die casting aluminum	Die casting aluminum	Die casting aluminum
Lens material	polycarbonate	polycarbonate	polycarbonate	polycarbonate
Lamp body size (MM)	520*260*80	520*260*80	600*300*80	600*300*80
LED Qty (PCS)	192	192	300	300
Battery capacity (MAH)	18000	30000	36000	48000
Photovoltaic panel	5V/25W (430*350mm)	5V/35W (580*350mm)	5V/40W (630*350mm)	5V/50W (670*445mm)
Discharge time	18 hours+	18 hours+	Two rainy days	Two rainy days
Discharge current	3.3V/2.5A	3.3V/4.2A	3.3V/4.8A	3.3V/5.6A
Luminous flux	1150LM	2200LM	2600LM	3000LM

Product advantages

1. High lumen, brightness increased by 30%

This product adopts LED optical lens design, the lens can effectively gather the light of the light source to improve the brightness and reduce the light loss. The light efficiency of the traditional reflective cup is increased by more than 20%. At the same time, the lens of this product is made of PC (Japanese emperor) material, and the transmittance after processing is as high as 92%. It is much higher than 80% of the glass transmittance; the whole lighting efficiency is increased by 30%, and the irradiation area is increased by more than 25%.

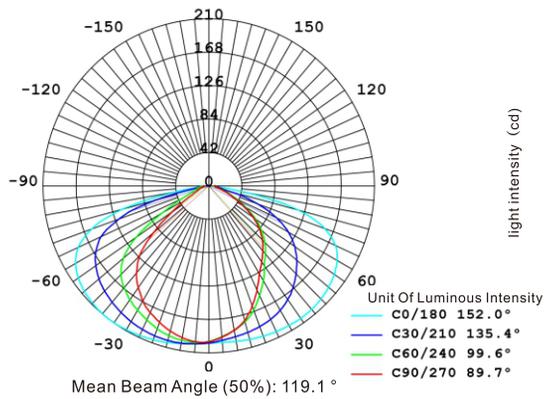


Note: the lens of this product can be used normally in the high temperature range of 125 °C and the low temperature of - 40 °C. The lens will not yellowing and brittle within 5 years. The material has passed many international certification.

2. Large luminous angle, 25% increase in irradiation area

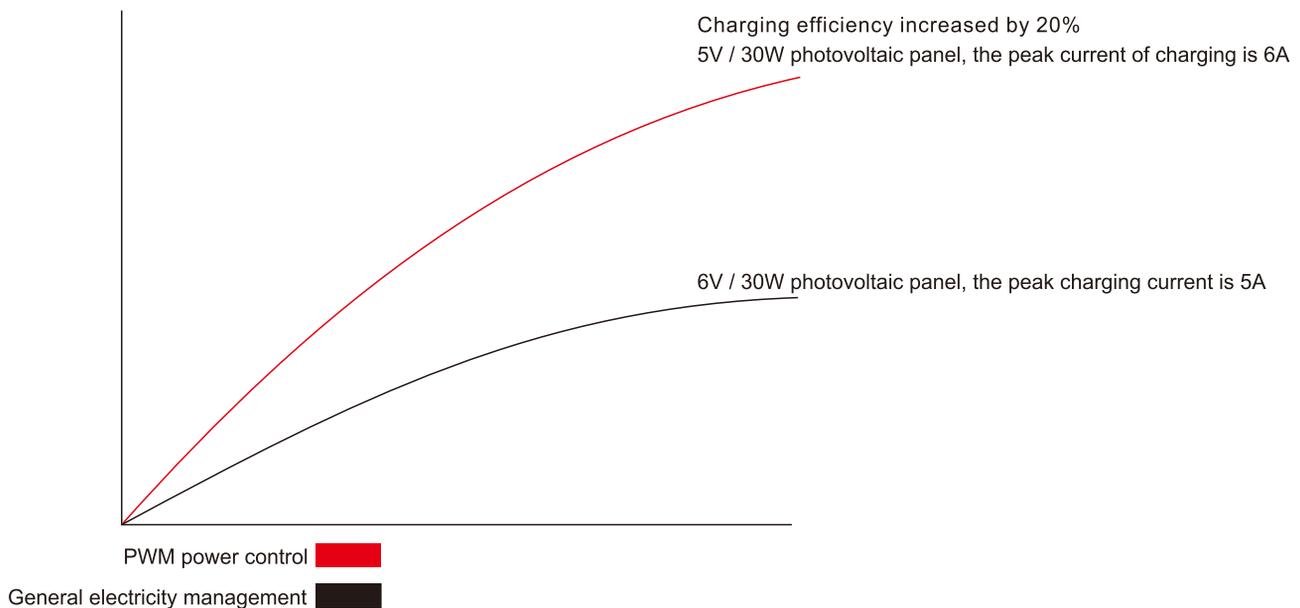
Through professional optical design, Interstellar Warrior is equipped with an optical lens of 150 * 70, and the luminous angle is at the same installation height, 25% larger than the traditional 120 degree irradiation area.

Polar Coordinate Curve



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

This product solar controller through PWM control p-Mos charging, unique charge and discharge management system, with more efficient Charge discharge efficiency. For example: 6V / 30W photovoltaic panels are commonly used in the market, and the peak charging current is 5A; this product uses 5V / 30W photovoltaic panels, The charging peak current is 6a, and the charging efficiency is increased by 20%.



4. Intelligent power management system, automatic distribution of electricity at night

Committed to meet the customer's "365 days, daily brightness" demand, our company through cooperation with the University of Electronic Science and technology, research and development The intelligent power management system not only has higher charging efficiency, but also can actively identify the charging amount of the day, so as to adjust independently Power, to achieve better rainy day effect.

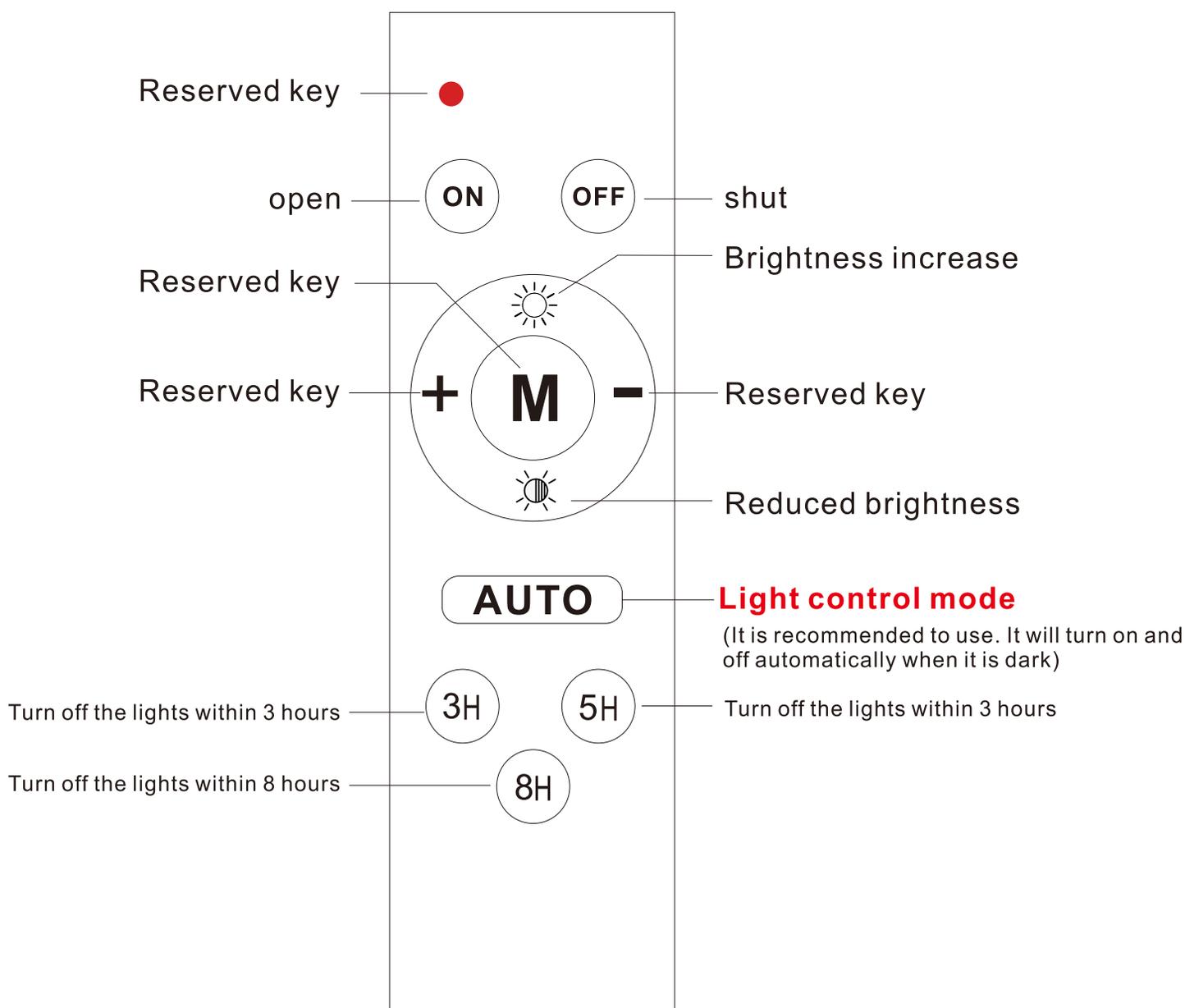
Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%

Illustration of remote control

Automatic light control mode: connect the lamp cap with the solar panel, press the [AUTO] auto key, and the light will turn on automatically in the dark, and turn off the light when it is bright. (key with memory mode, only need to set once)

Other remote control modes: the specific functions are shown in the figure below



Product packaging



Color box



Outer packing

Packing list

Model	Box size (CM)	Outer box size (CM)	Number of containers (PCS)	Gross weight of whole case (KG)	Net weight (KG)
100W	58*40.5*13	59*55*42	4	24.8	21.6
200W	63*40.5*13	64*55*42	4	27.4	23.8
300W	70*42.5*13	71.5*41*44	3	23.6	20.1
400W	71.5*51*14	73*30*52	2	18.6	15.3

Angle shooting





Scene Effect

