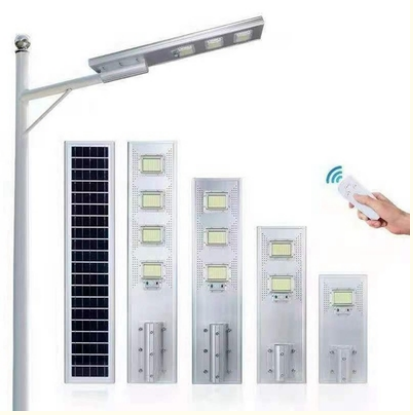
Remote Control Light Control Radar Sensor Solar Powered LED Street Light IP65 Waterproof

Our Product Introduction

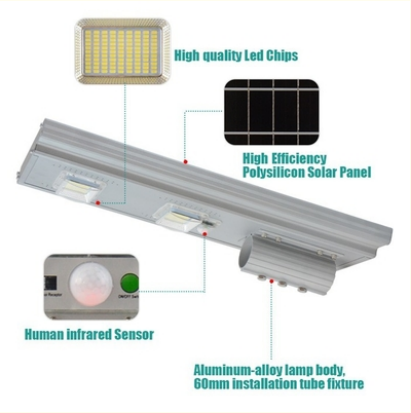
Basic Information

- Place of Origin: Guangdong China
- Brand Name: Yahua Solar Street lighting
- Certification: EMC, RoHS, CE, FCC, LVD
- Packaging Details: Anti-collision and shatterproof packaging
- Delivery Time: 5-8 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 500 pcs/month



Product Specification

- IP Rating: IP65 Waterproof
- Life Span: 50,000hrs+
- Lighting Mode: Remote Control+Light Control+Radar Sensor
- Battery: Lithium Iron Phoshpate Battery
- Color Temperature: 3000K-6500K
- Model Name: All In One Solar Street Lighting
- Led Chip: SMD3030
- Highlight: **Radar Sensor Integrated Solar Light**, **Solar Powered LED Street Light Waterproof**, **Waterproof Integrated Solar LED Street Lamp**



More Images

Product Description

Product Description:

Our Aluminum Alloy All-in-One Solar Street Light is a cutting-edge solution for sustainable outdoor lighting. This state-of-the-art product combines high-efficiency PV panels with a new LiFePO4 battery, ensuring optimal energy conversion and extended lifespan. Equipped with advanced sensors including a light sensor, a motion sensor, and a time sensor, our solar street light operates intelligently. It automatically adjusts the lighting intensity based on ambient light conditions, detects movement to enhance security, and even incorporates a time-based control system. With an impressive daily lighting duration of 10-12 hours, this solar street light guarantees consistent illumination throughout the night. Moreover, its robust design enables it to sustain operation for 3-5 consecutive rainy days, ensuring reliable performance even in challenging weather conditions.

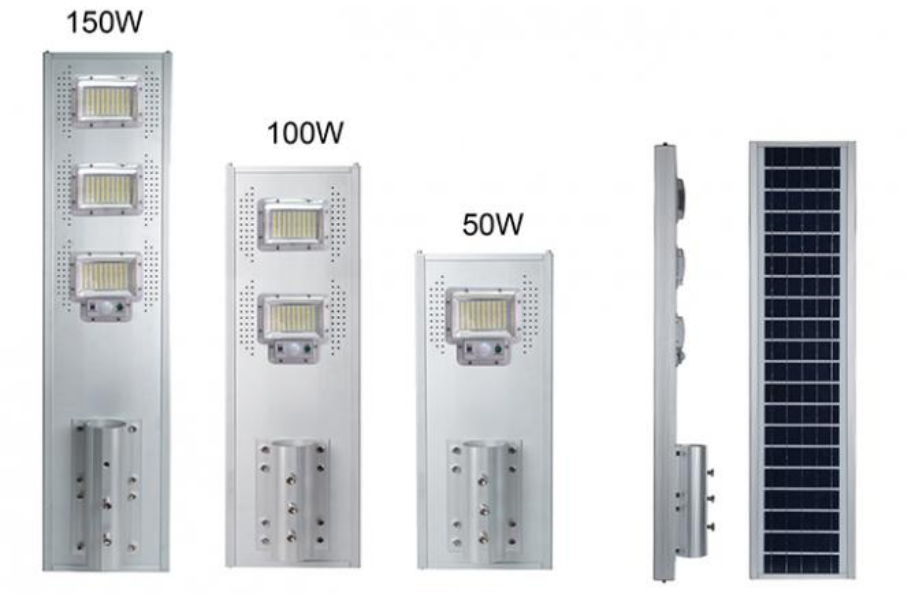
Features:

1. PIR Motion Sensor & Photocell Sensor: The street light operates from dusk to dawn, turning on at night and off at dawn. It begins charging in daylight and brightens upon sensing movement, then reverts to dim mode when the area is clear.
2. Super Bright & Long-Lasting: Employs a new LiFePO4 battery which offers stable quality and longevity, providing over 12 hours of bright mode operation when fully charged. It remains operational for 10-12 hours daily and can sustain 3-5 days without sunlight.
3. High-quality Polysilicon PV: Utilizes high-performance polysilicon PV with a photovoltaic conversion efficiency of up to 19%, enabling a fast 6-hour full charge in direct sunlight.
4. Wireless and Easy to Install: The all-in-one solar street light can be easily installed on a wall or pole, with recommended mounting heights of 6-8m and an illuminated area of 40-100 (430-1076ft²).
5. Equipped with Light Pole Sleeve: Features a reinforced light pole sleeve with a 600mm diameter, suitable for most street light poles, with adjustable angle options available upon request.

Technical Parameters:

Power	**100W**	**200W**	**300W**	**400W**
Solar Panel	500*210mm 6V 12W Poly	700*210mm 6V 18W Poly	900*210mm 6V 22W Poly	1100*210mm 6V 28W Poly
Battery	32650 10AH 3.2V	32650 15AH 3.2V	32650 20AH 3.2V	32650 25AH 3.2V
LED Power	6W	10W	15W	18W
LED Chips	5730 99pcs	5730 198pcs	5730 297pcs	5730 396pcs
Charge Time	6-8 Hours	6-8 Hours	6-8 Hours	6-8 Hours
Discharge Time	10-12 Hours	10-12 Hours	10-12 Hours	10-12 Hours
Total Lumens	>120LM/W	>120LM/W	>120LM/W	>120LM/W
Color Rendering Index	RA>70	RA>70	RA>70	RA>70
Materials	Die Casting Aluminum+PC Lense	Die Casting Aluminum+PC Lense	Die Casting Aluminum+PC Lense	Die Casting Aluminum+PC Lense
Working Pattern	Light Sensor+Radar Sensor	Light Sensor+Radar Sensor	Light Sensor+Radar Sensor	Light Sensor+Radar Sensor
Lamp Size	505*218mm	705*218mm	905*218mm	1105*218mm
QTN / CTN	2 PCS/ CTN	2 PCS/ CTN	2 PCS/ CTN	2 PCS/ CTN

Master Carton	57*24*22CM	87*24*22CM	108*29*22CM	128*35*22CM
Warranty	2 Years	2 Years	2 Years	2 Years



The difference between monocrystalline silicon and polycrystalline silicon:

Monocrystalline Silicon:
Monocrystalline silicon, also known as single-crystalline silicon, is made from a single continuous crystal structure. It is produced by growing a large, pure silicon crystal in a controlled environment. The crystal structure of monocrystalline silicon is highly uniform and has a consistent arrangement of atoms. This results in a high purity level and excellent electrical properties.
Characteristics of monocrystalline silicon solar panels include:
1. High efficiency: Monocrystalline silicon panels have high conversion efficiency, typically ranging between 15% and 20%. This means they can convert a higher percentage of sunlight into electricity.
More expensive: The manufacturing process of monocrystalline silicon is more complex and time-consuming, which translates into higher production costs. As a result, monocrystalline solar panels tend to be more expensive compared to polycrystalline panels.
2. Uniform appearance: Monocrystalline silicon panels have a uniform black color and a sleek, consistent look.

Polycrystalline Silicon:
Polycrystalline silicon, also called multi-crystalline silicon, is made by melting multiple fragments of silicon together to form a single ingot. During the cooling process, the silicon solidifies into multiple crystals with different orientations. The crystal structure of polycrystalline silicon is less uniform compared to monocrystalline silicon.
Characteristics of polycrystalline silicon solar panels include:
1. Lower efficiency: Polycrystalline silicon panels typically have slightly lower conversion efficiency compared to monocrystalline panels, ranging from 13% to 16%. The presence of grain boundaries between the crystals can lead to some energy loss during electron movement.
2. Lower production costs: The manufacturing process of polycrystalline silicon is simpler and less time-consuming, resulting in lower production costs. As a result, polycrystalline solar panels are usually more affordable compared to monocrystalline panels.
3. Blue color and speckled appearance: Polycrystalline silicon panels have a blue hue and a speckled appearance due to the different crystal orientations present in the material.

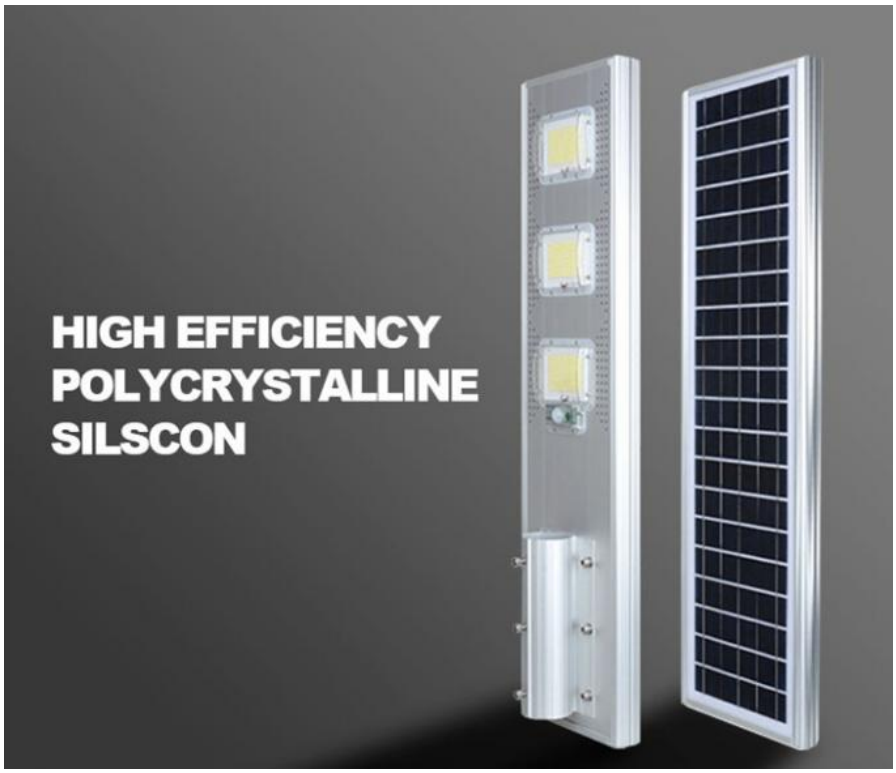
Support and Services:

Solar LED Street Light Technical Support and Service
We provide a range of technical support and services for our Solar LED Street Light products, including installation and maintenance advice, troubleshooting, and ongoing technical support and advice.
We also offer a customer service team to answer any queries and provide advice on the best way to use our products. Our technical team is available 24/7 and can be contacted via phone, email or live chat.
If you have any questions or need help with any of our Solar LED Street Light products, please do not hesitate to contact us.

Packing and Shipping:

Packaging and Shipping

Solar LED Street Light is packaged in a cardboard box with foam core padding. The product is then securely sealed with bubble wrap for extra protection. The product is then shipped with a reliable courier service.



FAQ:

Q: What is the brand name of the Solar LED Street Light?
A: The brand name of the Solar LED Street Light is Yahua Solar Street lighting.
Q: Where is the place of origin for the Solar LED Street Light?
A: The Solar LED Street Light is from Guangdong China.
Q: What certifications does the Solar LED Street Light have?
A: The Solar LED Street Light is certified with CE IP65 ROHS ISO.
Q: What kind of packaging is used for the Solar LED Street Light?
A: The Solar LED Street Light is packed with anti-collision and shatterproof packaging.
Q: How long is the delivery time for the Solar LED Street Light?
A: The delivery time for the Solar LED Street Light is 5-8 days.
Q: What payment terms are available for the Solar LED Street Light?
A: The payment terms for the Solar LED Street Light are T/T, Western Union, MoneyGram.
Q: How many Solar LED Street Lights can be supplied per month?
A: We can supply up to 500 pcs of Solar LED Street Lights per month.

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