

**INTEGRATED
SOLAR STREET LIGHT**

100W
ZHENYE SERIES



OVERVIEW



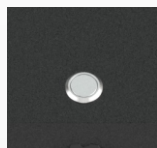
ELECTRICAL

SOLAR PANEL CHARGING

With 23% high efficiency conversion rate,
Which can also be charged in low light environment, Smart charging during the day smart lights at night.



Optional Sensor



Switch Button



Lithium Battery



Solar panel should be installed towards sunshine. And could NOT be covered by trees or buildings.



Wifi Control



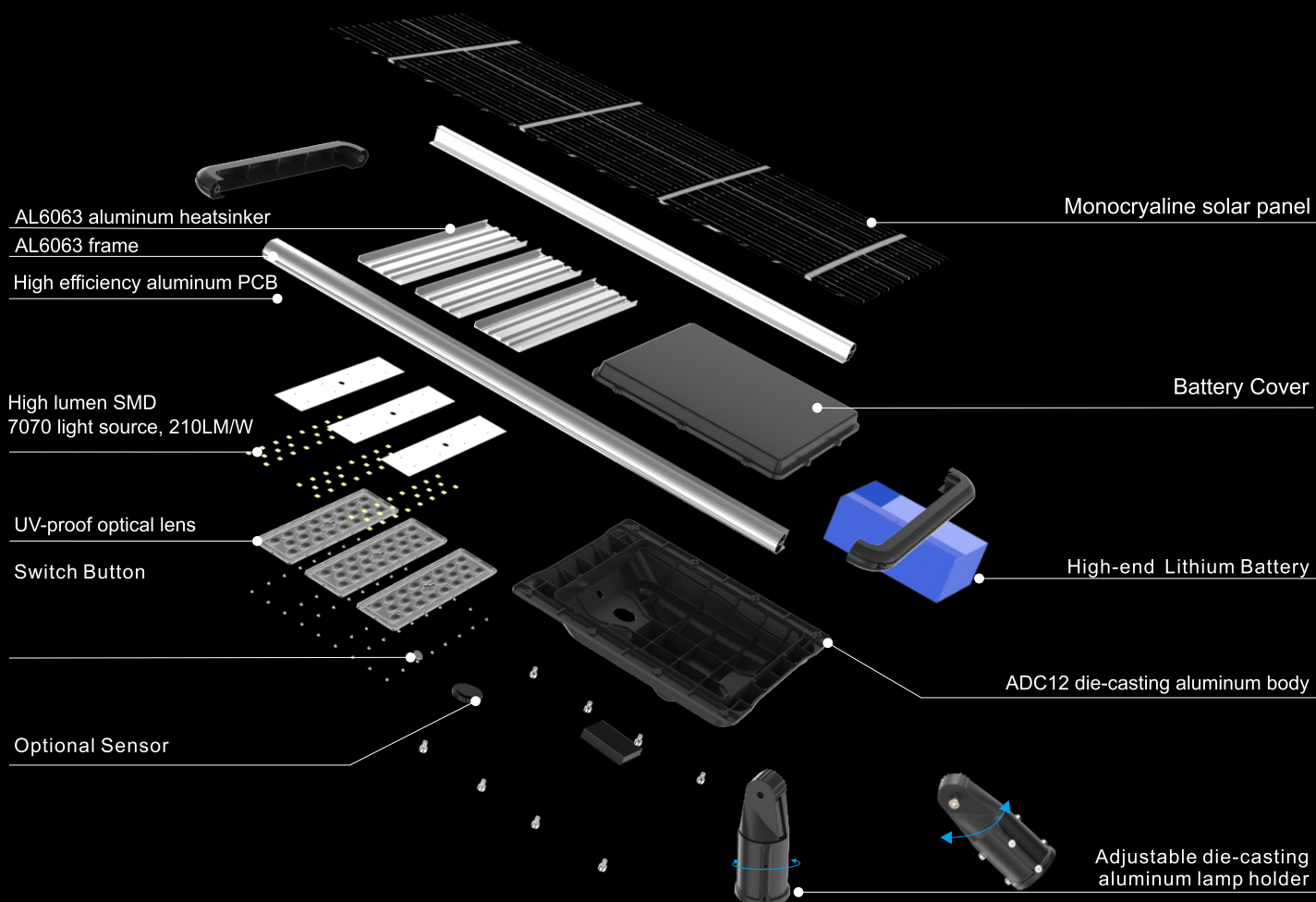
Bluetooth control



Human Microwave Sensing



EXPLODED

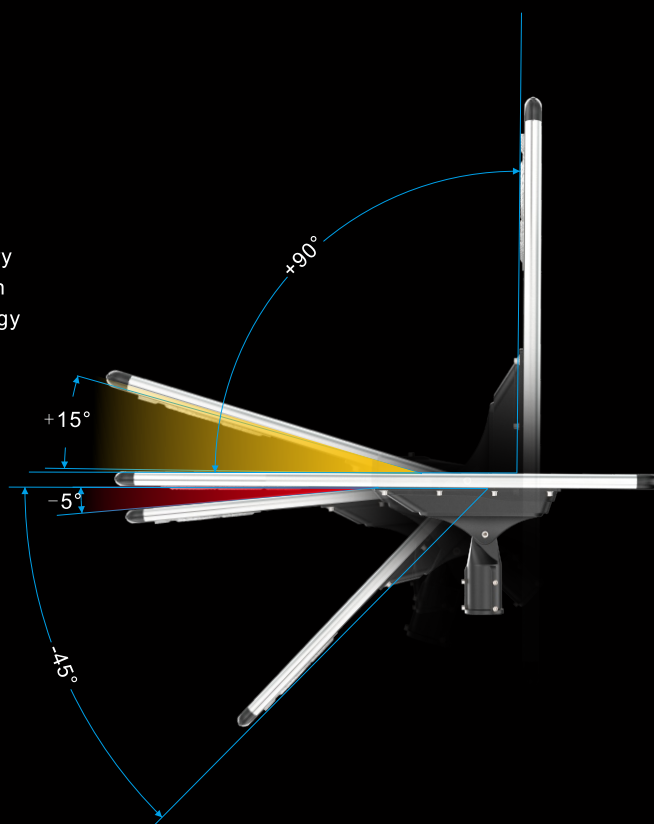


MPPT controller:

Real-time detection of solar panel power generation, and tracking of the maximum voltage and current value (VI), allowing the system to generate power for the battery at the highest efficiency. Compared with traditional controllers, it improves energy utilization by 15%-20%.

Anti-wind design:

High-strength die-cast aluminum lamp arm, equipped with precision gear meshing structure, to achieve multi-angle adjustment and stable installation of the lamp body, even in strong wind environment, the lamp body can be kept stable to ensure the lighting effect.



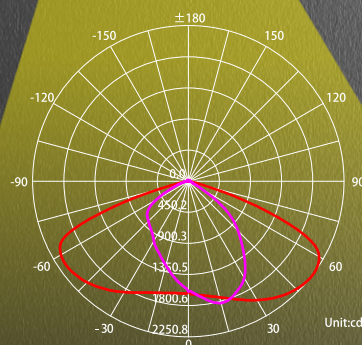
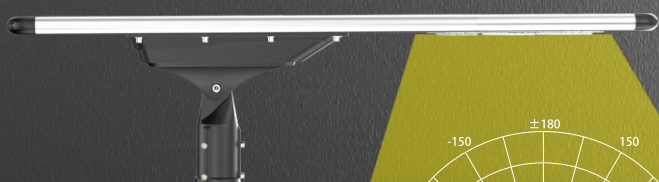
APPLICATIONS

Widely applicable roads, alleys, streets, courtyards, parks, fences, balconies new rural construction. etc.



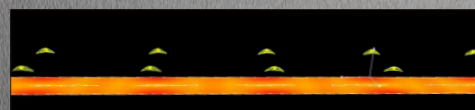
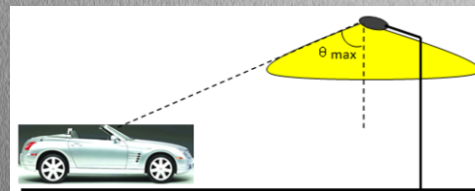
OPTICS

Tech. Support: Please provide the information of road length, width, height and application scene to us. Our professional engineer team will proceed the lighting DIALUS simulation and evaluate the lighting quantity and effect for your project. ies files are available upon request.



C plane lighting distributions

75*140°



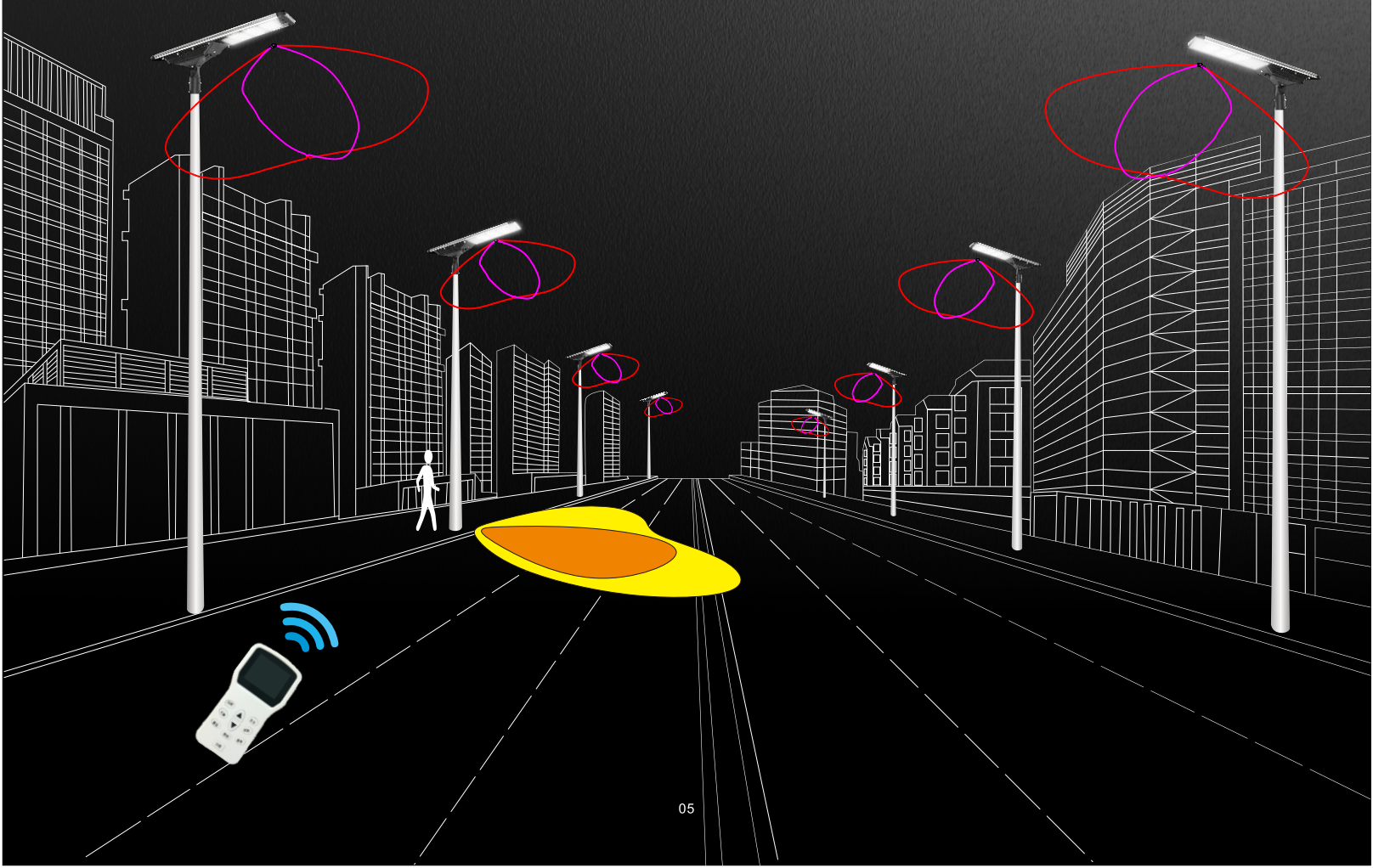
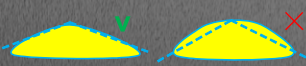
Energy-saving design



Uniformity Design



Cut-off angle design



MAIN PARAMETERS

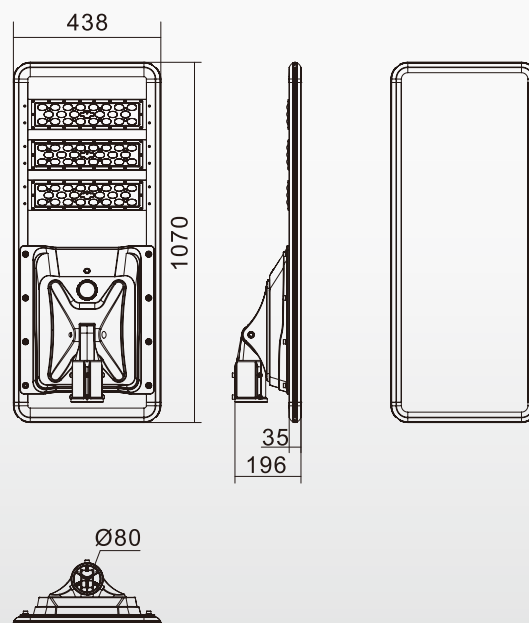
Power	100W
Lamp Body Size(mm)	1070*438*195
LED single lumen	210LM/W
LED Type	7070SMD
Solar Panel Size (mm)	1200*500mm
Solar Panel Power (W)	18V/80W
Solar panel lifespan	25 years
Battery (AH)	3.2V 422.4WH
Lumen	8000LM
Battery Type	Lithium iron phosphate battery
Battery life time	8-10 years
Light fixture material	aluminum materials
LED Lamp life time	50000H
Color Temperature	6000K
Controller	Light control + timer control + human presence detection.
Factory default setting	1-4H people come 100%, people go 50%. 5-8H people come 70%, people go 40 % 9-12H 60% of people come and 30% of people go.
Warranty	5 years

PRODUCTS

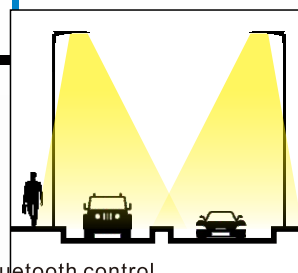
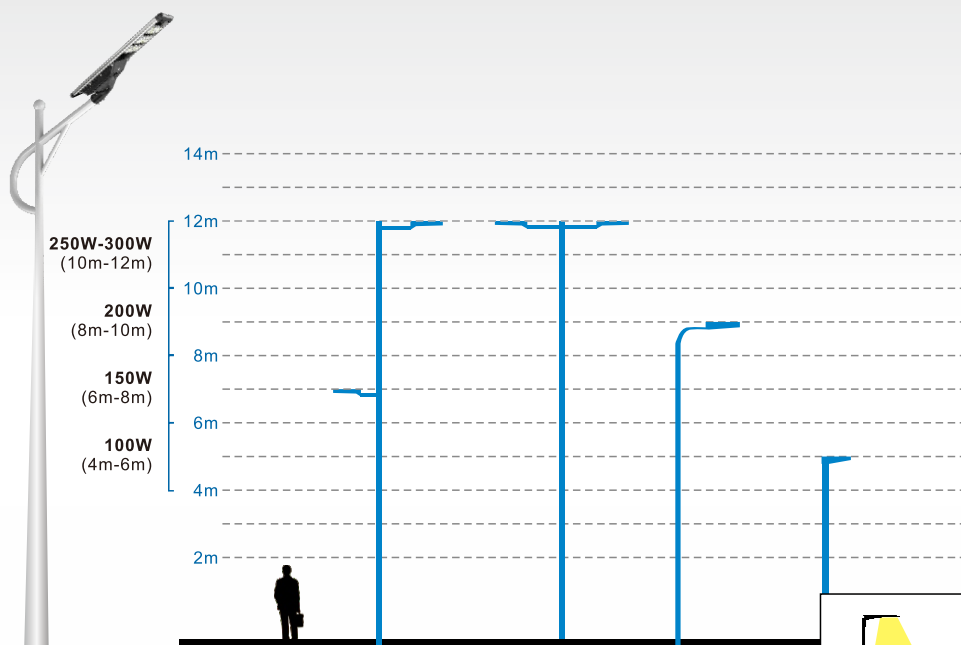


PRODUCT DIMENSIONS

Unit:mm



RECOMMENDED INSTALLATION HEIGHT



FEATURES

1. MPPT multiple functions: Bluetooth control, light control, Wifi control, human microwave induction.
2. 7070 high brightness SMD Light source. LM-80 report and files are complete, and the controller can be optionally equipped with Bluetooth control.
3. PF>0.9.
4. ADC12 die-cast aluminum lamp body with corrosion-resistant powder coating.
5. IP65 outdoor structural waterproof.
6. The light is workable 12 hours a day, and it can work for 5-7 continuous rainy days.

CAUTIONS:

1. Installation must be done by professional electricians.
2. Do NOT dismantle the product. It may be dangerous.
3. Do NOT stare at the light with naked eyes. It is harmful to eyes.
4. Solar panel should be installed towards sun. And it must NOT be sheltered by trees or any other covers.

WARRANTY:

1. The manufacturer promises a three-year limited after-sales responsibility for the materials and production process of this lamp.
2. Users are not allowed to dismantle the lamp without permission, otherwise the warranty may be invalidated.
3. During the warranty period, if the lamp is damaged in normal use, the manufacturer may decide to return the lamp for repair or replacement according to the actual situation. The manufacturer will be responsible for losses not exceeding the value of the lamp itself, such as replacement or replacement of accessories.



Remote Control

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