

PV5 SERIES LED SOLAR STREET LIGHT



ALL-IN-ONE SMART DESIGN

Quick to install
Saves on shipping
Easy for maintenance

AREAS OF APPLICATION

- Village Roads
- Public Areas
- Courtyards
- Parking Lots





Key Features

- All-in-one design.
- Multiple installation modes are supported.
- 10-period programmable load power/time control.
- High-efficiency monocrystalline silicon solar panels with a conversion efficiency of 23%.
- Intelligent battery management, prolong the service life of lithium battery.
- Adopting MPPT intelligent controller, the charging efficiency is up to 96%.
- Microwave and human body induction control, realize intelligent power saving mode.
- Intelligent power mode, power adjustable automatically according to the battery level.



Horizontal Installation

Vertical Installation



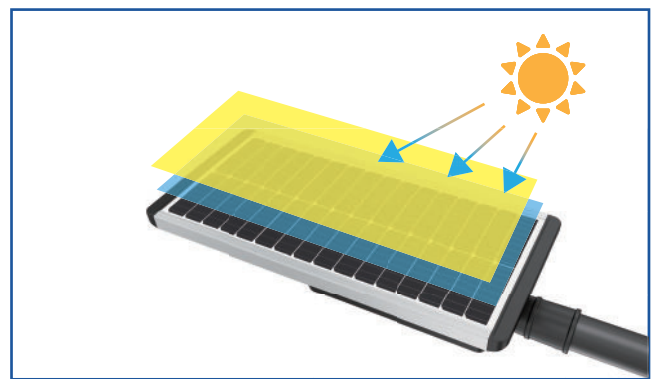
High Efficiency

Using high-efficiency Bridgelux LED Chips, the whole light efficiency is up to 220LM/W.



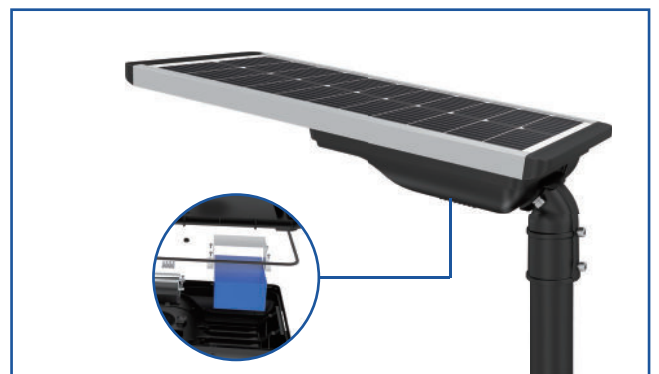
Mono Solar Panel

23% photoelectric conversion efficiency.



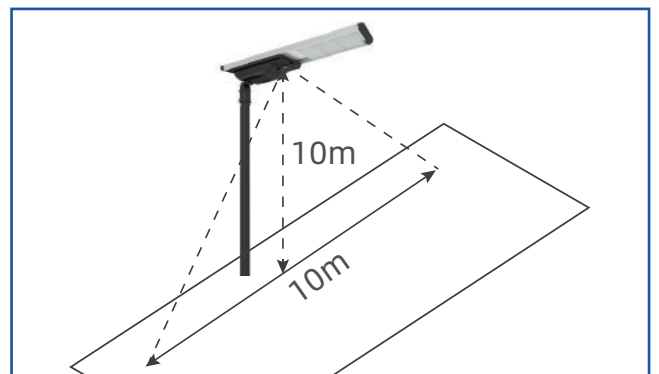
LiFePo4 Battery

It adopts 100% new battery cell packaging and is supported by high-quality and stable protection boards to ensure the long life of the battery pack.



Sensor

With microwave inductive sensor, Up to 10m sensing distance and 10m sensing height.



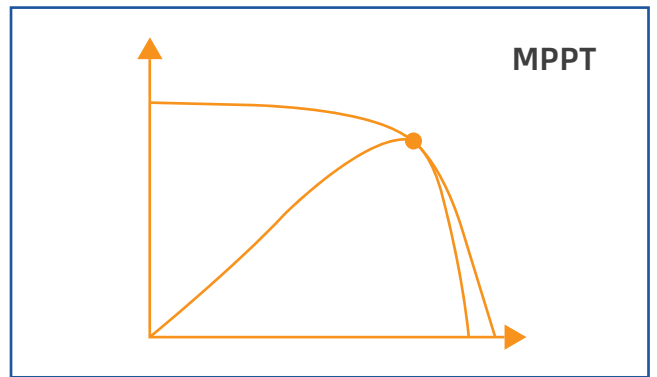
Remote Control

2.4G wireless communication, allowing for the setting, reading of parameters, and checking the status of lighting fixtures.



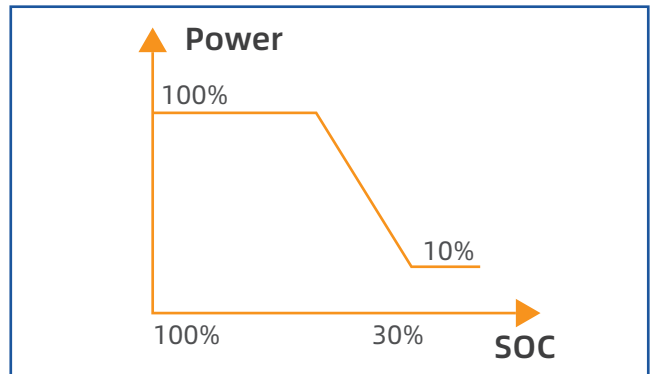
MPPT Controller

Maximum power tracking technology, tracking efficiency up to 99.5%, charging conversion efficiency up to 96%.



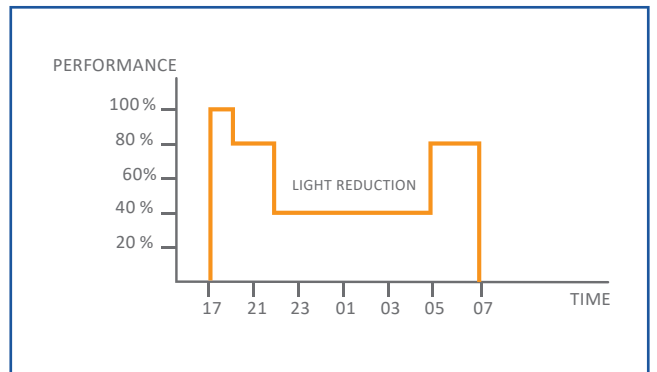
Intelligent

A variety of intelligent power modes are available for choice, with load power adjustable automatically according to the battery level.



Timer Dimming

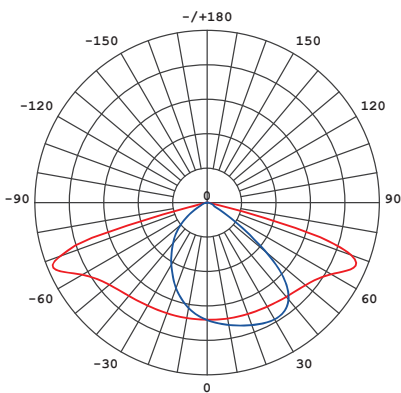
Supports up to 10-period programmable load power/time control.



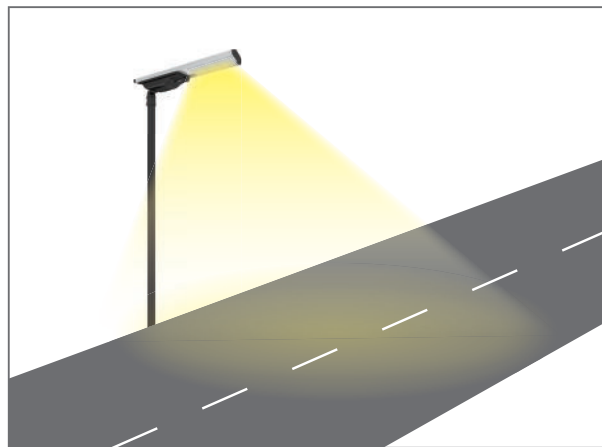
Product Information

Model No	ZGSM-PV5-40	ZGSM-PV5-50	ZGSM-PV5-60	ZGSM-PV5-80	ZGSM-PV5-100	ZGSM-PV5-120
Efficiency	220LM /W	220LM /W	220LM /W	220LM /W	220LM /W	220LM /W
Lumen	8800LM	11000LM	13200LM	17600LM	22000LM	26400LM
PV module	Monocrystalline 65W	Monocrystalline 70W	Monocrystalline 70W	Monocrystalline 100W	Monocrystalline 120W	Monocrystalline 120W
LiFePo4 Battery	18AH /12.8V (230WH)	24AH /12.8V (307WH)	30AH /12.8V (384WH)	36AH /12.8V (461WH)	48AH /12.8V (615WH)	54AH /12.8V (691WH)
Charge Time	4.2hours	4.8hours	5.9hours	5.1hours	5.6hours	6.3hours
Installation Height	6-7m	6-8m	6-8m	8-9m	8-10m	9-11m
Installation Distance	20-28m	20-32m	20-32m	25-35m	30-40m	35-45m
LED Chip	High Bright Bridgelux					
CCT	3000-6500K (can be customized)					
Life Span	L70>100, 000 hours					
Working Time	8-40 hours /5-7 days					
Working Mode	Motion /PIR Sensor /Timer					
Charging Mode	MPPT					
Light Distributions	Type II					
Working Temperature	-15°C to +70°C					
Pole diameter	70-76mm (suggestion)					
IP Rating	IP66					
Warranty	3 Years					

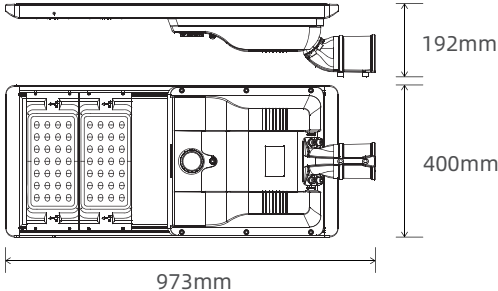

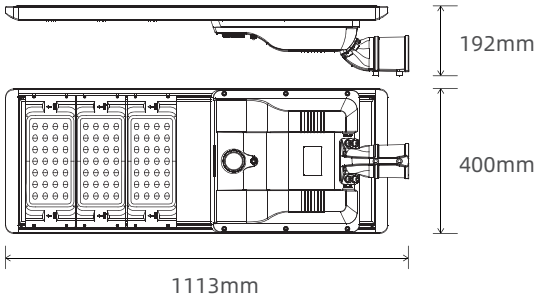

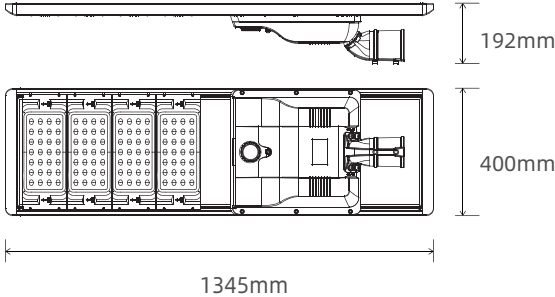

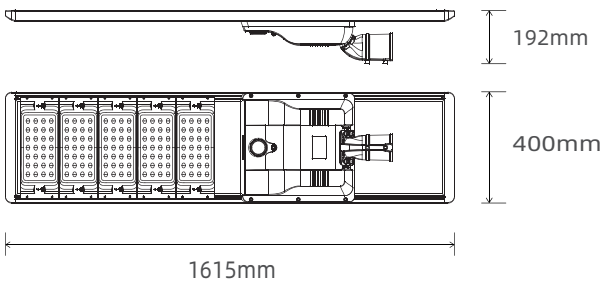

Photometry

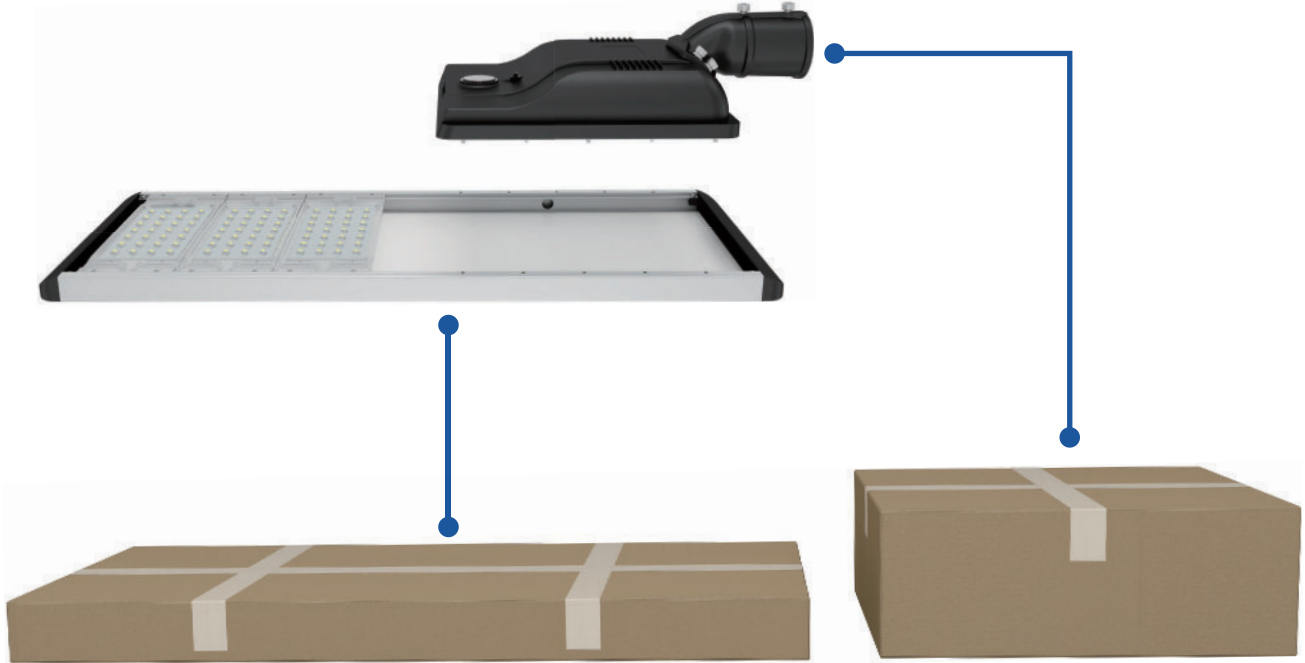


Type II



PV5 | DIMENSION FIGURE

Model		
ZGSM-PV5-40		
ZGSM-PV5-50 ZGSM-PV5-60		
ZGSM-PV5-80		
ZGSM-PV5-100 ZGSM-PV5-120		



2 packages: 1pc lamp body per carton + 1pc battery box per carton

Packing information

Model No	ZGSM-PV5-40	ZGSM-PV5-50	ZGSM-PV5-60	ZGSM-PV5-80	ZGSM-PV5-100	ZGSM-PV5-120
Fixture Dimension(mm)	973 x400 x192	1113 x400 x192	1113 x400 x192	1345 x400 x192	1615 x400 x192	1615 x400 x192
Fixture Weight (Kgs)	12.1	13.4	14.3	16.6	19.3	19.9
Packing Type	Two-Part Packing	Two-Part Packing	Two-Part Packing	Two-Part Packing	Two-Part Packing	Two-Part Packing
Lamp Body Carton Size (mm)	935 x460 x105	1115 x460 x105	1115 x460 x105	1405 x460 x105	1675 x460 x105	1675 x460 x105
Battery Box Carton Size (mm)	560 x435 x165	560 x435 x165	560 x435 x165	560 x435 x165	560 x435 x165	560 x435 x165
Lamp Body Carton Weight (kgs)	6.4	7.7	7.7	9.7	10	10
Battery Box Carton Weight (Kgs)	8.1	8.7	9.3	9.9	11.1	11.7



① Solar Panel

② LED Module

③ Sensor

④ Smart Controller

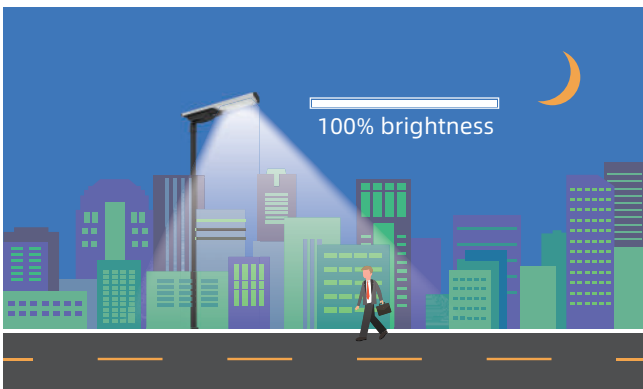
⑤ LiFePo4 Battery

⑥ Mounting Brackets

Factory Default Setting:



With sufficient natural light, the light keeps charging.



The light keeps 100% brightness when presence is detected, and the induction delay is about 15S.



The light keeps 20% brightness when no presence is detected.