

PV -SERIES



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ISO9001
ISO14001



RoHS
Compliant



LG Innotek

3 YEAR
WARRANTY

LED SOLAR STREET LIGHTS

Rev./160801/CLZ



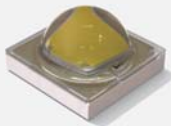


Overview

The solar street light is integrated with solar panel, led light, lithium iron phosphate battery, controller, constant current driver and luminaire housing. It is combined with multiple practical control technology including photoelectric effect, constant current control, microcontroller, human infrared induction. It can be used in the area without power grid.

LED LUMINOUS SOURCE

Greater than 130lm/W high efficacy, each LG LED owns electrostatic protection component, maximally avoid the damage of electrostatic.



SOLAR PANEL

Solar panel absorbs sunlight and convert it into electricity

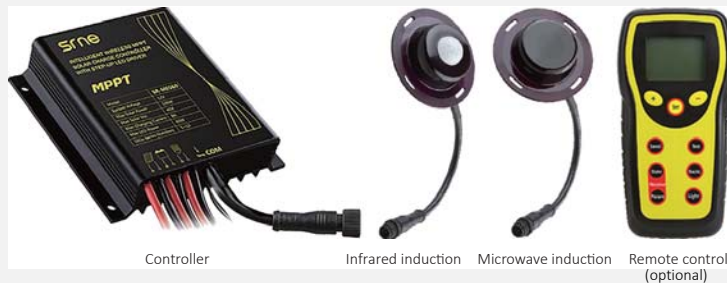


LITHIUM IRON PHOSPHATE BATTERY

Lithium iron phosphate battery improves the reliability of the luminaire. Low temperature charging protection, which effectively protects the battery



INDUCTION CONTROLLER /REMOTE CONTROL



Controller

Infrared induction

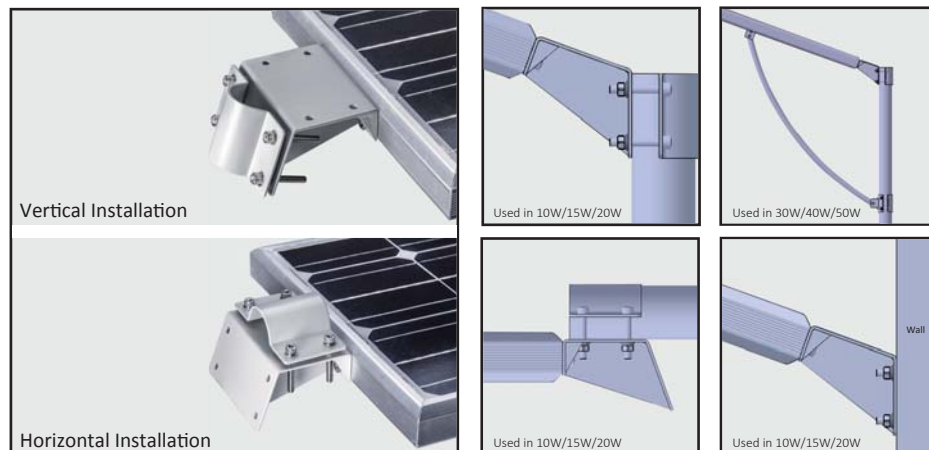
Microwave induction

Remote control (optional)

Main Features

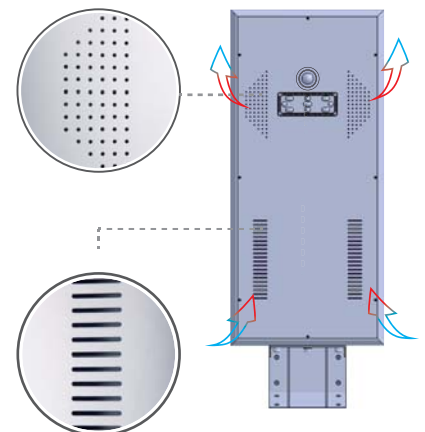
- Adopts MPPT charging method, which increases the utilization of solar panel.
- Lithium battery low temperature charging protection, which effectively protects the battery.
- Three induction stages design. Working time can be set from 0h to 15hours, power range from 0~100%
- Human infrared induction or microwave induction function for optional, Factory default is infrared induction.
- Sensitive time delay can be set from 0s~250s.
- Record system status, can record 7days and monitor the whole system.
- Overheat protection function, when the controller reaches a certain temperature, it will decrease or close the load.
- Working status indication, easy to maintain.

FLEXIBLE INSTALLATION



The installation can be adjusted according to different environments or illumination needs.

XTREME LUMINAIRE DESIGN



Xtreme luminaire design not only exquisite appearance, but also increased heat dissipation speed and keep ventilation



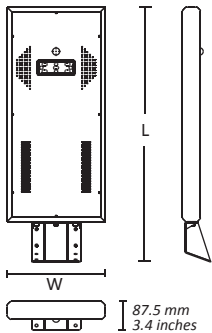
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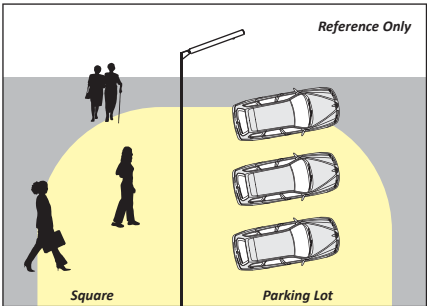
Product	ZGSM-PVLD10	ZGSM-PVLD15	ZGSM-PVLD20	ZGSM-PVLD30	ZGSM-PVLD40	ZGSM-PVLD50
LED Number	8 Units	8 Units	16 Units	24 Units	32 Units	32 Units
Nominal Power	10 W	15 W	20 W	30 W	40 W	50 W
Solar Panel Spec.	Monocrystal 25W /18V	Monocrystal 25W /18V	Monocrystal 33W /18V	Monocrystal 50W /18V	Monocrystal 75W /17.5V	Monocrystal 75W /17.5V
Battery Spec.	9AH /12.8V (LiFePO4)	9AH /12.8V (LiFePO4)	15AH /12.8V (LiFePO4)	24AH /12.8V (LiFePO4)	30AH /12.8V (LiFePO4)	36AH /12.8V (LiFePO4)
Constant Worktime at Full Power	8 Hours	5.5 Hours	6.5 Hours	7 Hours	6.5 Hours	6.5 Hours
Charge Time (low battery voltage)	<5 Hours (Strong Sunlight)	<5 Hours (Strong Sunlight)	<5 Hours (Strong Sunlight)	<5 Hours (Strong Sunlight)	<5 Hours (Strong Sunlight)	<5 Hours (Strong Sunlight)
Working Temperature	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C
Switch lighting level	15LUX	15LUX	15LUX	15LUX	15LUX	15LUX
Lumen Output (Full Power)	1200 lm (+Lumen tolerance+/-5%)	1650 lm (+Lumen tolerance+/-5%)	2400 lm (+Lumen tolerance+/-5%)	3600 lm (+Lumen tolerance+/-5%)	4800 lm (+Lumen tolerance+/-5%)	5500 lm (+Lumen tolerance+/-5%)
Optic	4S	4S	4S	4S	4S	4S
CCT	4000K 5000K 5700K	4000K 5000K 5700K	4000K 5000K 5700K	4000K 5000K 5700K	4000K 5000K 5700K	4000K 5000K 5700K
Installation Height	3~4m	3~5m	4~5m	4~6m	5~6m	5~7m
Pole Distance	9~14m	9~17m	12~17m	12~21m	15~21m	15~25m
Pole Diameter	40~60mm	40~60mm	40~60mm	40~60mm	40~60mm	40~60mm
Packaging Type	1unit /ctn.	1unit /ctn.	1unit /ctn.	1unit /ctn.	1unit /ctn.	1unit /ctn.

DIMENSION DATA

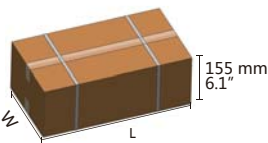


Nominal Wattage	10W	15W	20W	30W	40W	50W
“L” Length	782 mm 30.8”	782 mm 30.8”	969 mm 38.1 ”	1155 mm 45.5”	1289 mm 50.7”	1289 mm 50.7”
“W” Width	301 mm 11.9”	301 mm 11.9”	301 mm 11.9”	363 mm 14.3”	447 mm 17.6”	447 mm 17.6”
Weight	7.4 kg 16.3 lbs.	7.4 kg 16.3 bls.	9.2 kg 20.3 lbs.	15.0 kg 33.1 lbs.	18.1 kg 39.9 lbs.	18.9 kg 41.7 lbs.

Application:
Garden, Residence, Courtyard | Pedestrian and Branch Road | Mine and Parking Lot | Areas with no electrical supply



PACKAGING DATA



Nominal Wattage	10W	15W	20W	30W	40W	50W
“L” Length	875 mm 34.4”	875 mm 34.4”	1060 mm 41.7 ”	1240 mm 48.8”	1385 mm 54.5”	1385 mm 54.5”
“W” Width	390 mm 15.4”	390 mm 15.4”	390 mm 15.4”	460 mm 18.1”	535 mm 21.1”	535 mm 21.1”
Weight	11.3 kg 24.9 lbs	11.3 kg 24.9 lbs	14.6 kg 32.2 lbs	20.5 kg 45.2 lbs.	26.8 kg 59.1 lbs.	27.5 kg 60.6 lbs.

