

Solar powered street lights



Description

All-in-one design and charged by solar, so the lighting kits are completely wireless and easy to be mounted. What is more, the junction is 90° rotation. Widely arrange mount applications on wall, fence, tree, steps, etc. to light up your garden, hallway, flowerbeds, pillar, deck, yard, patio, or driveway and any other places.

Options

1. Hybrid solution (Priority is given to solar power. When the battery lacks power, it will automatically switch to AC220V power supply).
2. MPPT solar controller option.
3. Battery capacity can be increased as requirements.
4. Working model can be changed as requirements.

Standard Working Model

It will start to turn on automatically at sunset, what is more, it will be full power for lighting when it sensor any movements, but it will be only 20%-30% of power once there is no movement, which will try best to save energy.



**Day Time
Automatically off**



**If no pedestrian
30% brightness**



**If pedestrian comes
100% brightness**

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Specification					
Model	GR-SIS-20WA	GR-SIS-40WA	GR-SIS-60WA	GR-SIS-80WA	GR-SIS-100WA
Power	20W	40W	60W	80W	100W
Dimension	540*280*70mm	667*357*70mm	790*340*70mm	1080*160*480mm	1250*160*480mm
Lumens output	2000-2200lm	4000-4400lm	6000-6600lm	8000-8800lm	10000-11000lm
LED Chips brand	Philips 3030 SMD				
Mono solar panel	18V 26W	18V 45W	18V 55W	18V 86W	18V 120W
Solar Controller	12V 5A	12V 5A	12V 8A	12V 8A	12V 8A
LiFePO4 Battery	39AH	84AH	108AH	132AH	156AH
Charging time	8-10Hours				
Recharging time	40-48hours				
Materials	Die-cast aluminum+PC Lens.Black/grey housing optional				
Color temperature	3000K/4500K/6500K				
CRI	75%				
IP Grade	IP65 Waterproof				
Sensor type	PIR or Radar sensor				
Beam angle	70*150°				
Working temperature	-25°C~+50°C				
Installation diameter	60-65mm				
Installation height	3meter-10meter height pole				
Certificates	CE RoHS LVD EMC				
Warranty	2Years				
Remark	Hybird solution / MPPT controller and other special requirements can be customized.				