



# LED ALL IN ONE INTEGRATED SOLAR STREET LAMP (ISL)



**All In One integrated solar streetlight:** is combined by solar panel, battery, controller, Led all together in one body housing. Powered by solar energy, easy to install and maintain, all in one integrated solar streetlight has widely used for application like community park, urban road villa, garden, car park, factory, walkway, residential lighting etc.

**Suitable height:** 6 to 12 meter

## Product Features and Advantages.

- **Integrated design:** battery , controller and Led Lamp all in one body housing.
- **Aluminum Alloy Fitting** good dissipating material perfectly solve the thermal problem with the minimum weight and significantly expand the lifespan of the lighting source
- **Sturdy and Durable:** Aluminum Alloy Fitting has surface anodic oxidation process, getting a protective shield and greatly enhance the stain resistance. Its cover is resistance to high heat, anti-aging and lasting brightness, therefore is widely used at outdoor.
- **Three Smart Mode:** PIR sensor / Time control, / PIR + Time control.
- **Waterproof IP65:** The silicone circle sealing technology and waterproof IP65 can completely prevent dusts and water in rainstorm.
- **Battery :** Use high performance Lithium iron phosphate battery (LiFePO4)
- **Led Source:** High brightness LED chips from Bridgelux USA.
- **Solar Panel:** Monocrystalline Silicon Solar Cell.
- **Adjustable arm:** Range  $90^{\circ} \pm 20^{\circ}$  according to the local sunlight environment.

Remarks:

Detail and specification are current at the time of publication but may be changed without prior notice

# Model & Specification

Model	EGE-ISL-240-60	EGE-ISL-260-90	EGE-ISL-280-100	EGE-ISL-2100-120	EGE-ISL-2120-130
Light Power (LED)	40W	60W	80W	100W	120W
Solar Panel	18V / 70W	18V / 90W	18V / 100W	18V / 120W	18V / 130W
Battery	12.0V 30Ah	12.0V 36Ah	12.0V 60Ah	12.0V 78Ah	12.0V 88Ah
Lamp Luminous	140 LM/W				
Luminous Flux	4800LM	8400LM	11200LM	14400LM	16800LM
Charge Time	≥ 6 Hours				
Discharge Time	Full Power 10 ~ 12 Hours Saving Mode 4 ~ 5 Days				
Color Temp	3000K, 4000K, 5000K.				
LED Source	Bridgelux				
IP Rating	IP 66				
Beam Angle	120°				
Socket Diameter	≤ 60mm				
Lifespan	≥ 50000 Hours				
Certification	CE, EMC, LVD, RoHS,				
Material	Aluminum Alloy and ASA / PC (Aluminum Alloy #6063)				
Dimension (MM)	1210*340*45mm	1070*460*45mm	1210*460*45mm	1470*460*45mm	1570*460*45mm
Weight	16.0KG	17.0KG	21.0KG	27.0KG	28.0KG
Install Height	6 ~ 7 M	8 ~ 10 M		11 ~ 12 M	

## Timer Control Mode

1. Full Power Light: Preset in full power mode and brightness for the timing require by user.
2. Saving Mode: Preset in saving mode 30% or 50% brightness for the timing as require by user.

**Note: Factory preset 1<sup>st</sup> hour 80% , 2<sup>nd</sup> 4 hours 100%, 3<sup>rd</sup> 7hours 30% and last 1 hour 80% brightness.**



## Installation Method

Option 1



Option 2



Option 3



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