

Integrated Solar LED Street Light

This integrated solar LED street light combines a solar panel, LED, battery, and controller in a compact design. It features remote control and a PIR sensor for optimized operation.



ADDITIONAL IMAGES



Overview



Intelligent integrated solar street light featuring PIR sensors and robust aluminum housing.

Intelligent Integrated Solar Street Light

This integrated solar street light series combines advanced solar panel, LED, battery, and controller technology into a single, compact, and elegant design. Engineered for flexibility and adaptability, it features intelligent controllers that optimize daily operation and support programmable remote control. Built with high-quality materials, these lights offer robust performance, including impact resistance, excellent heat dissipation, and reliable operation in various weather conditions.

Optical Performance



High luminous efficiency LED module with precise light distribution lens for optimal coverage.

Optical Specifications

Feature	Model LY01A	Model LY01B
LED Rated Power (Max)	15W	30W
Lumen Output (Max)	2400Lm	4800Lm
Beam Angle	60°x120°	70°x140°
Color Temperature	3000K - 6000K	
CRI	Ra>70	

Solar Panel



Integrated high-efficiency solar panel and LiFePo4 battery system with BMS protection.

Solar Panel Details

Feature	Model LY01A	Model LY01B
Nominal Power	30W	70W
Dimensions	524.5x330x15mm	818x490x15mm
Voltage at Pmax	18V	18V
Current at Pmax	1.56A	3.8A
Lifespan	25 Years	

Energy Storage

Nominal Capacity

Model	Capacity
LY01A	307Wh
LY01B	640Wh

Key Features



All-in-one design featuring intelligent management and programmable remote control capabilities.

Key Features

PIR Motion Sensor • IR Remote Control • BMS Battery Management • Pressure-Regulating Valve • IK10 Impact Resistance • Anti-Typhoon Design

Operating Temperature

-20°C to 60°C

LED Lifetime

>50,000 hours