

Integrated Solar Street Light

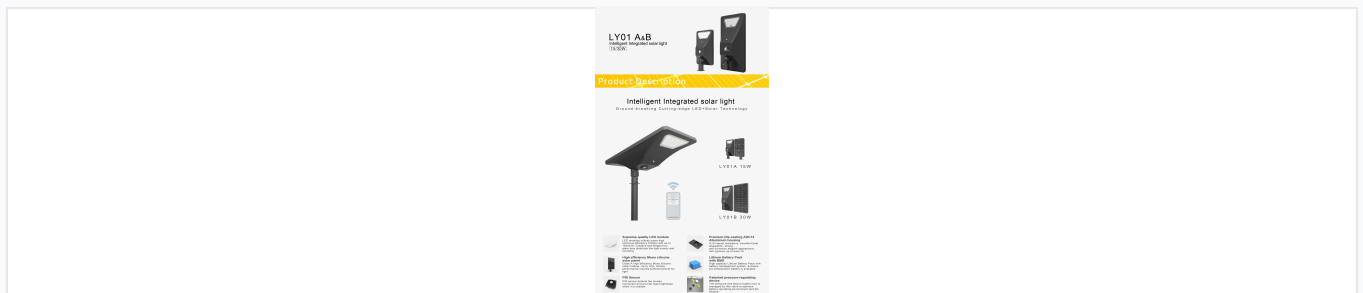
This integrated solar street light combines LED, PV, and battery technologies, optimizing maintenance, installation, and daily operation with its intelligent control system. It provides an efficient and self-contained lighting solution for various outdoor applications.



ADDITIONAL IMAGES



Overview



Integrated design featuring high-efficiency components and intelligent control systems.

Intelligent Integrated Solar Lighting

This all-in-one solar street light integrates high-efficiency solar panels, LED modules, and lithium battery storage into a compact, durable design. Equipped with an intelligent controller and PIR motion sensing, it optimizes energy consumption and brightness based on real-time activity. The robust aluminum housing ensures excellent heat dissipation and weather resistance, making it an ideal, low-maintenance solution for roads, parks, and residential areas.

Optical Performance

LED Rated Power	30 W
Max Lumen Output	4800 Lm
Color Temperature (CCT)	3000K-6000K
Color Rendering Index (CRI)	70 Ra

Solar & Battery

Solar Panel Nominal Power	70 W
Battery Capacity	640 Wh
Battery Chemistry	LiFePo4
Battery Features	BMS Included, Pressure-regulating device, Low-temp option available

Physical & Environmental

Ingress Protection	IP65
Impact Resistance	IK10
Dimensions (L x W x H)	846 x 517 x 182 mm
Housing Material	Die-casting ADC12 Aluminum

Installation & Operation

Integrated Sensors	<ul style="list-style-type: none">PIR Motion SensorIntelligent Controller
Recommended Installation Height	7 m
Pole Diameter	60 mm

Compliance



Certified quality standards and global shipping capabilities.

Certifications	CE, IEC, TUV SUD, ISO 9001, ISO 14001, UL Listed
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