

All-in-One Solar Street Light

This all-in-one solar street light combines efficient LED lighting with a solar panel and battery for autonomous operation. The integrated design simplifies installation and reduces wiring costs.



ADDITIONAL IMAGES



Overview

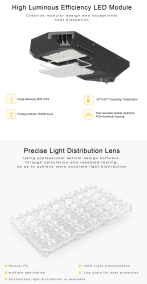


Integrated design featuring high-efficiency solar panel and LED module.

Intelligent All-in-One Solar Street Lighting

This integrated solar street light combines a high-efficiency solar panel, long-lasting LiFePo4 battery, and advanced LED lighting into a single, durable unit. Designed for seamless outdoor illumination, it features intelligent control systems that optimize energy usage and provide reliable lighting from dusk to dawn. With robust construction including high-quality aluminum housing, it offers excellent heat dissipation and weather resistance, making it an ideal, low-maintenance solution for streets, pathways, and parking areas.

Optical Performance



Precise light distribution lens with high luminous efficiency.

Key Lighting Metrics

80 W

Rated Power

1100 Lm

Lumen Output

9000 K

Color Temperature

Optical Details

Parameter	Value
CRI	≥ 70
Beam Angle	100-120°
LED Type	Samsung 2835 / 3030

Solar & Battery



Monocrystalline photovoltaic module and premium LiFePo4 battery with BMS.

Solar Panel Specifications

Feature	Specification
Nominal Power	22W
Voltage at Pmax (Vmp)	5.5V
Current at Pmax (Imp)	4.3A
Dimensions	506 x 229 x 4.3 mm
Expected Lifetime	25 Years

Energy Storage

- Battery Type: LiFePo4 32650
- Nominal Capacity: 20Ah
- Nominal Voltage: 3.3V
- Includes Battery Management System (BMS)

Construction & Features

TRANSFORMER Integrated Series



Intelligent Management System



High-quality extruding aluminum housing with IK08 impact resistance.

Advanced Functionalities

- Operating Temperature: -20°C to 60°C
- Optical PC Lens (>90% Transmittance)
- Remote Controller Included
- Programmable Time Management
- DC Recharging Input Available

Durability & Protection

IK08 Impact Resistance, Anti-Typhoon Level 14, Aluminum Housing, Excellent Heat Dissipation