

Global Semi-integrated Solar Street Light Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Semi-integrated Solar Street Light market size is expected to reach \$ 1328 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

In 2025, global Semi-integrated Solar Street Light production reached approximately 2,130 k units with an average global market price of around US\$ 410 per unit, and a gross profit margin of approximately 20%-40%. Semi-integrated Solar Street Lights are outdoor solar lighting systems that integrate key components such as LED lamps, batteries, controllers, sensors, and control circuits into one or partially combined structure, while the solar panel may remain separated or adjustable for better sunlight capture. These products are widely used in roads, rural areas, residential communities, industrial parks, parking lots, campuses, gardens, public squares, farms, and off-grid lighting projects. Compared with fully split solar street lights, semi-integrated designs reduce installation complexity and wiring work; compared with all-in-one designs, they provide better flexibility in solar panel orientation and maintenance. The industrial chain of Semi-integrated Solar Street Lights includes upstream solar panels, LED chips, lithium batteries, charge controllers, sensors, aluminum housings, brackets, poles, lenses, cables, PCBs, fasteners, waterproof seals, and packaging materials. The midstream includes product design, lighting module integration, battery management, solar charging system matching, optical design, structural assembly, waterproof testing, aging tests, quality control, and certification. Downstream applications include municipal roads, rural roads, residential areas, industrial parks, commercial zones, schools, parks, scenic areas, parking lots, and off-grid infrastructure projects. Related services include lighting design, installation guidance, project commissioning, maintenance, battery replacement, spare parts supply, and after-sales support.

This report studies the global Semi-integrated Solar Street Light production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semi-integrated Solar Street Light and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Semi-integrated Solar Street Light that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semi-integrated Solar Street Light total production and demand, 2021-2032, (K Units)

Global Semi-integrated Solar Street Light total production value, 2021-2032, (USD Million)

Global Semi-integrated Solar Street Light production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Semi-integrated Solar Street Light consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Semi-integrated Solar Street Light domestic production, consumption, key domestic manufacturers and share

Global Semi-integrated Solar Street Light production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Semi-integrated Solar Street Light production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Semi-integrated Solar Street Light production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Semi-integrated Solar Street Light market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Signify, Inlux Solar, Anern, ZGSM, Enkonn Solar, HeiSolar, SOKOYO Solar Lighting, Sol by Sunna Design, E-Able Power, ALLTOP, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Semi-integrated Solar Street Light market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Semi-integrated Solar Street Light Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Semi-integrated Solar Street Light Market, Segmentation by Type:

?20W

20-40W

?40W

Global Semi-integrated Solar Street Light Market, Segmentation by Installation Height:

3-4m

4-6m

Others

Global Semi-integrated Solar Street Light Market, Segmentation by Application:

Municipal

Residential

Industrial

Commercial

Companies Profiled:

Signify

Inlux Solar

Anern

ZGSM

Enkonn Solar

HeiSolar

SOKOYO Solar Lighting

Sol by Sunna Design

E-Able Power

ALLTOP

Sigo Street Light

BOSUN

JSDSOLAR

JKCSolar

Suneco Energy

BR Solar

Sunshell Power

Qlux Group

Sacred Light

Key Questions Answered:

1. How big is the global Semi-integrated Solar Street Light market?
2. What is the demand of the global Semi-integrated Solar Street Light market?
3. What is the year over year growth of the global Semi-integrated Solar Street Light market?
4. What is the production and production value of the global Semi-integrated Solar Street Light market?
5. Who are the key producers in the global Semi-integrated Solar Street Light market?
6. What are the growth factors driving the market demand?

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