

Global Solar Street Lighting Market Research Report 2019-2023

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Abstracts

Solar street lights are a renewable lighting source which generates electricity with the help of photovoltaic panels integrated on the pole or mounted on the lighting structure itself. Electricity generated by photovoltaic panels get stored into batteries which can later be used to illuminate the streets. Luminaries used for lighting purposes in street lightings are light emitting diode (LED) and fluorescent lamp. These are mainly installed on off grid locations to provide reliable lighting across roads, residential, highways and other commercial businesses.

Solar street lighting performs necessary role for security, safety to avoid accidents in isolated areas. These lights are mainly used in highways in order to highlight the driving route safety and accommodating in nights. Solar street light is operated and illuminate 365 days, with its intelligent control light and system output that can be adjust automatically by battery power, including components LEDs, PV panels and battery independently related to each other by swapping event, and system. Solar street light panels are placed on fixed latitude which can absorb maximum solar rays, and solar radiation as compared to other solar street lights.

By the type, the Solar street lighting can be broadly segmented on Standalone and On Grid; Based on the applications, it is widely used in residential, commercial and industrial; In the terms of lighting source, it is divided into compact fluorescent lamps (CFL) and light emitting diodes (LED).

The global solar street lighting market reached more than USD 2.2 billion in 2014, and is expected to reach about USD 7.8 billion by 2020, growing at a CAGR of 22.5% from 2015 to 2020.

In the terms of region, Asia Pacific was the largest market for Solar Street Lighting globally, accounting for 44% share in 2014. India was the leader in terms of revenue realization from Solar Street Lighting, followed by China, in 2014. Africa was the second-largest market for solar street lighting in 2014. Kenya, South Africa, Ghana, and Nigeria spearhead the solar street lighting market in Africa with need for clean and reliable source of off-grid electricity. Europe was the third-largest market for solar street lighting, in terms of market share, in 2014. Germany and U.K were the leading countries with highest revenue realization from solar street lighting in 2014. The market in Africa is expected to witness significant growth in the near future and would surpass the growth rate of Asia Pacific market by 2018. This expected growth is the result of numerous initiatives such as subsidies, campaigns, and different programs introduced by the World Bank and International Finance Corporation to promote solar street lighting products.

In the context of China-US trade war and global economic volatility and uncertainty, it will have a big influence on this market. Solar Street Lighting Report by Material, Application, and Geography – Global Forecast to 2023 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Solar Street Lighting basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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