

Global Solar Vehicle Market Growth (Status and Outlook) 2023-2029

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Abstracts

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A solar vehicle is an electric vehicle powered completely or significantly by direct solar energy. Usually, photovoltaic (PV) cells contained in solar panels convert the sun's energy directly into electric energy. The term 'solar vehicle' usually implies that solar energy is used to power all or part of a vehicle's propulsion. Solar power may be also used to provide power for communications or controls or other auxiliary functions. Solar vehicles are not sold as practical day-to-day transportation devices at present, but are primarily demonstration vehicles and engineering exercises, often sponsored by government agencies. However, indirectly solar-charged vehicles are widespread and solar boats are available commercially.

According to this study, the global Solar Vehicle market size will reach US\$ million by 2029.

This report presents a comprehensive overview, market shares, and growth opportunities of Solar Vehicle market by product type, application, key players and key regions and countries.

Segmentation by product type:

Battery Electric Vehicle (BEV)

Hybrid Electric Vehicle (HEV)

Segmentation by Application:

Passenger Car

Commercial Vehicle

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Lightyear

Volkswagen

Toyota

Nissan

Ford

General Motors

Mahindra & Mahindra

Sono Motors

Hanergy Thin Film Power Group

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