+357 96 030922
info@marketpublishers.com

Solar Charger Market By Type (Portable, Standalone), By Solar Panel Type (Folding, Fixed, Flexible), By Application (Consumer Electronics, Transportation, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032

https://marketpublishers.com/r/SF52C2A973FCEN.html
Date: January 2024
Pages: 250
Price: US$ 3,570.00 (Single User License)
ID: SF52C2A973FCEN

Abstracts

The global solar charger market was valued at $575 million in 2022, and is projected to reach $1,849 million by 2032, growing at a CAGR of 12.5% from 2023 to 2032.

Solar chargers harness sunlight to generate power for electronic devices such as smartphones and tablets. It comprises photovoltaic panels that convert solar energy into electricity and store it in batteries or are used for direct device charging. Designed for portability, solar chargers are ideal for outdoor activities, travel, and emergencies in areas lacking conventional power sources. They present a sustainable and eco-friendly solution, which reduces reliance on the grid and offers a convenient means of powering devices through renewable solar energy.

Surge in adoption of electric vehicles serves as a driver for the growth of the solar charger market. Rise in need for charging infrastructure driven by the popularity of electric vehicles may be met sustainably and decentralized by solar chargers. The market for solar chargers is expected to play a significant part in determining the direction of sustainable mobility, as environmental awareness, government assistance, and technological advances are propelling this shift.

Rise in awareness of the environmental benefits of converting from internal combustion engine vehicles to electric vehicles among customers, companies, and governments led to rise in the adoption of electric vehicles globally. However, expansion of EV use presents infrastructure-related problems, particularly in places where conventional

+357 96 030922
info@marketpublishers.com

power grids may not be able to support them. Owners of electric vehicles (EVs) may reduce their need on traditional power sources by employing solar chargers, which provide a decentralized and off-grid solution to this problem.

The rise in integration of solar panels directly into electric car designs is another way that solar energy and electric vehicles are related. Several manufacturers are incorporating solar panels into the body of electric automobiles to capture sunlight for additional electricity or to help in the vehicle's battery charge. This comprehensive strategy further promotes sustainable transportation by building an all-encompassing solar-powered ecosystem for electric vehicles with the help of external solar chargers. Thus, increase in adoption of EV vehicles is expected to drive the demand for solar chargers, leading to the market growth.

Development and widespread use of solar chargers are hampered by the intermittent nature of solar energy. The inconsistency of the sun owing to several factors like weather, time of day, and location presents natural problems for solar chargers, which depend on sunlight to generate electricity. The intermittent nature of solar chargers limits their capacity to operate consistently and dependably, thus affecting their suitability as the major or only power source for electronic devices.

The unpredictable nature of electricity generation is one of the main problems caused by solar energy's intermittent nature. As solar chargers rely primarily on sunlight to function, any type of obstacle, like clouds or shade, can drastically lower their effectiveness. It is difficult for consumers to rely entirely on solar chargers owing to this unpredictability, especially in areas with little sunlight or during bad weather.

The intermittent nature of solar energy is exacerbated by the daily and seasonal variations in sunlight. As the sun does not always shine during the day, solar chargers may operate less efficiently in the early morning, late afternoon, and at night. For consumers that depend on a steady and dependable power source, this variability in power generation may pose a serious challenge, particularly during times of peak energy consumption. Thus, the intermittent nature of solar energy restrains the growth of the solar charger market during the forecast period.

Decrease in solar panel costs presented an excellent growth opportunity for the solar charger market. The relatively high cost of solar panels was one of the main barriers to the broad use of solar technologies, particularly solar chargers. While the cost of solar panels decreased due to improved manufacturing techniques, economies of scale, and increased competition, the market for solar chargers has grown significantly.

+357 96 030922
info@marketpublishers.com

The combination of market forces and advances in technology led to decrease in the cost of solar panels. The efficiency of solar cells significantly increased over time, which enables producers to create more electricity using fewer components.

Furthermore, advancements in production methods and materials have improved the solar panel manufacturing process's affordability and scalability. The cost per watt of solar power output significantly decreased as production costs have decreased and solar panel efficiency has increased, making solar chargers more accessible and affordable for a wider range of consumers. Thus, decrease in solar panel costs presented a lucrative growth opportunity for the solar charger market.

The solar charger market is segmented by type, solar panel type, application, and region. On the basis of type, the market is divided into portable and standalone. By solar panel type, the market is classified into fixed, folding, and flexible. Depending on application, it is categorized into consumer electronics, transportation, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The major players operating in the global solar charger market are Allpowers Industrial International, Goal Zero, letsolar, RAVPower, Renogy, Secur, Solar Frontier Europe GmbH, Solar Technology International, The NOCO Company, and YOLK.

Other players include Anker, BioLite Inc., Choetech Store, Hanergy Thin Film Power Group Europe, Little Sun, OUTXE, Suntrica, ToughTested, Voltaic Systems, and Xtorm.

Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the solar charger market analysis from 2022 to 2032 to identify the prevailing solar charger market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

+357 96 030922
info@marketpublishers.com

In-depth analysis of the solar charger market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global solar charger market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

+357 96 030922
info@marketpublishers.com

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more):

Product Benchmarking / Product specification and applications

Product Life Cycles

Supply Chain Analysis & Vendor Margins

Upcoming/New Entrant by Regions

Average Consumer Expenditure

Market share analysis of players by products/segments

New Product Development/ Product Matrix of Key Players

Regulatory Guidelines

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Average Selling Price Analysis / Price Point Analysis

Expanded list for Company Profiles

Historic market data

Market share analysis of players at global/region/country level

SWOT Analysis

Key Market Segments By Type Portable

Standalone

+357 96 030922
info@marketpublishers.com

By Solar Panel Type Folding

Fixed

Flexible

By Application Consumer Electronics

Transportation

Others

By Region

North America U.S.

Canada

Mexico

Europe Germany

UK

France

Italy

Spain

Rest of Europe

Asia-Pacific China

Japan

+357 96 030922
info@marketpublishers.com

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

Goal Zero

Allpowers Industrial International

letsolar

RAVPower

renogy-solar

Secur.

Solar Frontier Europe GmbH

Solar Technology International

the noco company

yolk

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 7: SOLAR CHARGER MARKET, BY REGION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 8: COMPETITIVE LANDSCAPE

+357 96 030922
info@marketpublishers.com

CHAPTER 9: COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Solar Charger Market By Type (Portable, Standalone), By Solar Panel Type (Folding, Fixed, Flexible), By Application (Consumer Electronics, Transportation, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032

Product link: https://marketpublishers.com/r/SF52C2A973FCEN.html

Price: US$ 3,570.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/SF52C2A973FCEN.html