

# **Solar Generator Market By Type (Below 40KWH, 40-80 KWH, 80-150 KWH, Over 150 KWH) , By Battery Type (Lead-acid, Lithium-ion, Others) By Application (Residential, Commercial, Industrial, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

<https://marketpublishers.com/r/S161EAB3FDACEN.html>

Date: September 2024

Pages: 350

Price: US\$ 2,601.00 (Single User License)

ID: S161EAB3FDACEN

## **Abstracts**

### **Solar Generator Market**

The solar generator market was valued at \$549.2 million in 2023 and is projected to reach \$1024.2 million by 2033, growing at a CAGR of 6.5% from 2024 to 2033.

A solar generator is a device consisting of panels and batteries for the conversion of sunlight energy into alternating electrical current. It is a portable device majorly used to cater to power demands at campsites and boats or as a backup system in residential settings. A solar generator is an entirely integrated system with all the essential components to provide power on the go. Solar panels, charge controllers, batteries, inverters, and mounting systems are the major constituents of a solar generator.

Increase in environmental concerns has fueled the demand for sustainable energy solutions, thereby driving the growth of the solar generator market. In addition, rise in need to achieve energy independence among several organizations has propelled the development of the market. Furthermore, the availability of various incentives and subsidies by governments of different countries to promote the adoption of solar energy augments the market growth significantly. A notable trend acquiring traction in the solar generator market is the integration of maximum power point tracking technology into the system. The technology continuously regulates the electrical operating point of the

generator, thereby ensuring its maximum efficiency.

However, high upfront expenses associated with the purchase of solar generators deter several budget-sensitive customers from purchasing, which hampers the growth of the market. Moreover, the utility of solar generators remains completely dependent on weather conditions, limiting its applicability in certain areas and restraining the market development. On the contrary, as the governments of several countries strive to become completely renewable in terms of energy dependence, the solar generator market is anticipated to witness several lucrative opportunities in coming years. For instance, Iceland relies entirely on renewable power currently while Costa Rica, Paraguay, and Norway are using minimal amounts of fossil fuels to cater their energy requirements.

## Segment Review

The solar generator market is segmented into type, battery type, application, and region. On the basis of type, the market is segmented into below 40kWh, 40-80 kWh, 80-150 kWh, and over 150 kWh. Depending on battery type, it is divided into lead-acid, lithium-ion, and others. As per application, it is classified into residential, commercial, industrial, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

On the basis of type, the 40kWh segment is expected to account for a high share of the market during the forecast period.

Depending on battery type, the lithium-ion segment is projected to dominate the market share by 2033.

As per application, the residential segment is anticipated to be the highest shareholder throughout the forecast period.

Region wise, North America is predicted to be the highest revenue generator by 2033.

## Competition Analysis

The leading players operating in the global solar generator market include KNV Solar Energy Private Limited, Foshan Tanfon Energy Technology Co., Ltd., GMDT MARINE &

INDUSTRIAL ENGINEERING PVT. LTD., WHC SOLAR, Alpine Energies Private Limited, Aton Solar, Volta Energy, Ameresco Solar, Renology, and Coolnut. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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.

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

Investment Opportunities

Upcoming/New Entrant by Regions

Technology Trend Analysis

Market share analysis of players by products/segments

Patient/epidemiology data at country, region, global level

Regulatory Guidelines

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Brands Share Analysis

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Import Export Analysis/Data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

SWOT Analysis

## Key Market Segments

### By Type

Below 40KWH

40-80 KWH

80-150 KWH

Over 150 KWH

#### By Battery Type

Lead-acid

Lithium-ion

Others

#### By Application

Residential

Commercial

Industrial

Others

#### By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

Rest of LAMEA

Key Market Players

KNV Solar Energy Private Limited

Foshan Tanfon Energy Technology Co., Ltd.

GMDT MARINE & INDUSTRIAL ENGINEERING PVT. LTD.

WHC SOLAR

Alpine Energies Private Limited

Aton Solar

Volta Energy

Ameresco Solar

Renology

Coolnut

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
  - 1.4.1. Primary Research
  - 1.4.2. Secondary Research
  - 1.4.3. Analyst Tools and Models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

### CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Threat of New Entrants
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Competitive Rivalry
  - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
  - 3.4.1. Drivers
  - 3.4.2. Restraints
  - 3.4.3. Opportunities

### CHAPTER 4: SOLAR GENERATOR MARKET, BY TYPE

- 4.1. Market Overview
  - 4.1.1 Market Size and Forecast, By Type
- 4.2. Below 40KWH
  - 4.2.1. Key Market Trends, Growth Factors and Opportunities



- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. 40-80 KWH
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast, By Region
  - 4.3.3. Market Share Analysis, By Country
- 4.4. 80-150 KWH
  - 4.4.1. Key Market Trends, Growth Factors and Opportunities
  - 4.4.2. Market Size and Forecast, By Region
  - 4.4.3. Market Share Analysis, By Country
- 4.5. Over 150 KWH
  - 4.5.1. Key Market Trends, Growth Factors and Opportunities
  - 4.5.2. Market Size and Forecast, By Region
  - 4.5.3. Market Share Analysis, By Country

## **CHAPTER 5: SOLAR GENERATOR MARKET, BY BATTERY TYPE**

- 5.1. Market Overview
  - 5.1.1 Market Size and Forecast, By Battery Type
- 5.2. Lead-acid
  - 5.2.1. Key Market Trends, Growth Factors and Opportunities
  - 5.2.2. Market Size and Forecast, By Region
  - 5.2.3. Market Share Analysis, By Country
- 5.3. Lithium-ion
  - 5.3.1. Key Market Trends, Growth Factors and Opportunities
  - 5.3.2. Market Size and Forecast, By Region
  - 5.3.3. Market Share Analysis, By Country
- 5.4. Others
  - 5.4.1. Key Market Trends, Growth Factors and Opportunities
  - 5.4.2. Market Size and Forecast, By Region
  - 5.4.3. Market Share Analysis, By Country

## **CHAPTER 6: SOLAR GENERATOR MARKET, BY APPLICATION**

- 6.1. Market Overview
  - 6.1.1 Market Size and Forecast, By Application
- 6.2. Residential
  - 6.2.1. Key Market Trends, Growth Factors and Opportunities
  - 6.2.2. Market Size and Forecast, By Region

- 6.2.3. Market Share Analysis, By Country
- 6.3. Commercial
  - 6.3.1. Key Market Trends, Growth Factors and Opportunities
  - 6.3.2. Market Size and Forecast, By Region
  - 6.3.3. Market Share Analysis, By Country
- 6.4. Industrial
  - 6.4.1. Key Market Trends, Growth Factors and Opportunities
  - 6.4.2. Market Size and Forecast, By Region
  - 6.4.3. Market Share Analysis, By Country
- 6.5. Others
  - 6.5.1. Key Market Trends, Growth Factors and Opportunities
  - 6.5.2. Market Size and Forecast, By Region
  - 6.5.3. Market Share Analysis, By Country

## **CHAPTER 7: SOLAR GENERATOR MARKET, BY REGION**

- 7.1. Market Overview
  - 7.1.1 Market Size and Forecast, By Region
- 7.2. North America
  - 7.2.1. Key Market Trends and Opportunities
  - 7.2.2. Market Size and Forecast, By Type
  - 7.2.3. Market Size and Forecast, By Battery Type
  - 7.2.4. Market Size and Forecast, By Application
  - 7.2.5. Market Size and Forecast, By Country
  - 7.2.6. U.S. Solar Generator Market
    - 7.2.6.1. Market Size and Forecast, By Type
    - 7.2.6.2. Market Size and Forecast, By Battery Type
    - 7.2.6.3. Market Size and Forecast, By Application
  - 7.2.7. Canada Solar Generator Market
    - 7.2.7.1. Market Size and Forecast, By Type
    - 7.2.7.2. Market Size and Forecast, By Battery Type
    - 7.2.7.3. Market Size and Forecast, By Application
  - 7.2.8. Mexico Solar Generator Market
    - 7.2.8.1. Market Size and Forecast, By Type
    - 7.2.8.2. Market Size and Forecast, By Battery Type
    - 7.2.8.3. Market Size and Forecast, By Application
- 7.3. Europe
  - 7.3.1. Key Market Trends and Opportunities
  - 7.3.2. Market Size and Forecast, By Type

- 7.3.3. Market Size and Forecast, By Battery Type
- 7.3.4. Market Size and Forecast, By Application
- 7.3.5. Market Size and Forecast, By Country
- 7.3.6. Germany Solar Generator Market
  - 7.3.6.1. Market Size and Forecast, By Type
  - 7.3.6.2. Market Size and Forecast, By Battery Type
  - 7.3.6.3. Market Size and Forecast, By Application
- 7.3.7. UK Solar Generator Market
  - 7.3.7.1. Market Size and Forecast, By Type
  - 7.3.7.2. Market Size and Forecast, By Battery Type
  - 7.3.7.3. Market Size and Forecast, By Application
- 7.3.8. France Solar Generator Market
  - 7.3.8.1. Market Size and Forecast, By Type
  - 7.3.8.2. Market Size and Forecast, By Battery Type
  - 7.3.8.3. Market Size and Forecast, By Application
- 7.3.9. Spain Solar Generator Market
  - 7.3.9.1. Market Size and Forecast, By Type
  - 7.3.9.2. Market Size and Forecast, By Battery Type
  - 7.3.9.3. Market Size and Forecast, By Application
- 7.3.10. Italy Solar Generator Market
  - 7.3.10.1. Market Size and Forecast, By Type
  - 7.3.10.2. Market Size and Forecast, By Battery Type
  - 7.3.10.3. Market Size and Forecast, By Application
- 7.3.11. Rest Of Europe Solar Generator Market
  - 7.3.11.1. Market Size and Forecast, By Type
  - 7.3.11.2. Market Size and Forecast, By Battery Type
  - 7.3.11.3. Market Size and Forecast, By Application
- 7.4. Asia-Pacific
  - 7.4.1. Key Market Trends and Opportunities
  - 7.4.2. Market Size and Forecast, By Type
  - 7.4.3. Market Size and Forecast, By Battery Type
  - 7.4.4. Market Size and Forecast, By Application
  - 7.4.5. Market Size and Forecast, By Country
  - 7.4.6. China Solar Generator Market
    - 7.4.6.1. Market Size and Forecast, By Type
    - 7.4.6.2. Market Size and Forecast, By Battery Type
    - 7.4.6.3. Market Size and Forecast, By Application
  - 7.4.7. India Solar Generator Market
    - 7.4.7.1. Market Size and Forecast, By Type

- 7.4.7.2. Market Size and Forecast, By Battery Type
- 7.4.7.3. Market Size and Forecast, By Application
- 7.4.8. Japan Solar Generator Market
  - 7.4.8.1. Market Size and Forecast, By Type
  - 7.4.8.2. Market Size and Forecast, By Battery Type
  - 7.4.8.3. Market Size and Forecast, By Application
- 7.4.9. South Korea Solar Generator Market
  - 7.4.9.1. Market Size and Forecast, By Type
  - 7.4.9.2. Market Size and Forecast, By Battery Type
  - 7.4.9.3. Market Size and Forecast, By Application
- 7.4.10. Australia Solar Generator Market
  - 7.4.10.1. Market Size and Forecast, By Type
  - 7.4.10.2. Market Size and Forecast, By Battery Type
  - 7.4.10.3. Market Size and Forecast, By Application
- 7.4.11. Rest of Asia-Pacific Solar Generator Market
  - 7.4.11.1. Market Size and Forecast, By Type
  - 7.4.11.2. Market Size and Forecast, By Battery Type
  - 7.4.11.3. Market Size and Forecast, By Application
- 7.5. LAMEA
  - 7.5.1. Key Market Trends and Opportunities
  - 7.5.2. Market Size and Forecast, By Type
  - 7.5.3. Market Size and Forecast, By Battery Type
  - 7.5.4. Market Size and Forecast, By Application
  - 7.5.5. Market Size and Forecast, By Country
  - 7.5.6. Brazil Solar Generator Market
    - 7.5.6.1. Market Size and Forecast, By Type
    - 7.5.6.2. Market Size and Forecast, By Battery Type
    - 7.5.6.3. Market Size and Forecast, By Application
  - 7.5.7. Saudi Arabia Solar Generator Market
    - 7.5.7.1. Market Size and Forecast, By Type
    - 7.5.7.2. Market Size and Forecast, By Battery Type
    - 7.5.7.3. Market Size and Forecast, By Application
  - 7.5.8. Rest of LAMEA Solar Generator Market
    - 7.5.8.1. Market Size and Forecast, By Type
    - 7.5.8.2. Market Size and Forecast, By Battery Type
    - 7.5.8.3. Market Size and Forecast, By Application

## **CHAPTER 8: COMPETITIVE LANDSCAPE**

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping Of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

## **CHAPTER 9: COMPANY PROFILES**

- 9.1. KNV Solar Energy Private Limited
  - 9.1.1. Company Overview
  - 9.1.2. Key Executives
  - 9.1.3. Company Snapshot
  - 9.1.4. Operating Business Segments
  - 9.1.5. Product Portfolio
  - 9.1.6. Business Performance
  - 9.1.7. Key Strategic Moves and Developments
- 9.2. Foshan Tanfon Energy Technology Co., Ltd.
  - 9.2.1. Company Overview
  - 9.2.2. Key Executives
  - 9.2.3. Company Snapshot
  - 9.2.4. Operating Business Segments
  - 9.2.5. Product Portfolio
  - 9.2.6. Business Performance
  - 9.2.7. Key Strategic Moves and Developments
- 9.3. GMDT MARINE And INDUSTRIAL ENGINEERING PVT. LTD.
  - 9.3.1. Company Overview
  - 9.3.2. Key Executives
  - 9.3.3. Company Snapshot
  - 9.3.4. Operating Business Segments
  - 9.3.5. Product Portfolio
  - 9.3.6. Business Performance
  - 9.3.7. Key Strategic Moves and Developments
- 9.4. WHC SOLAR
  - 9.4.1. Company Overview
  - 9.4.2. Key Executives
  - 9.4.3. Company Snapshot
  - 9.4.4. Operating Business Segments
  - 9.4.5. Product Portfolio

- 9.4.6. Business Performance
- 9.4.7. Key Strategic Moves and Developments
- 9.5. Alpine Energies Private Limited
  - 9.5.1. Company Overview
  - 9.5.2. Key Executives
  - 9.5.3. Company Snapshot
  - 9.5.4. Operating Business Segments
  - 9.5.5. Product Portfolio
  - 9.5.6. Business Performance
  - 9.5.7. Key Strategic Moves and Developments
- 9.6. Aton Solar
  - 9.6.1. Company Overview
  - 9.6.2. Key Executives
  - 9.6.3. Company Snapshot
  - 9.6.4. Operating Business Segments
  - 9.6.5. Product Portfolio
  - 9.6.6. Business Performance
  - 9.6.7. Key Strategic Moves and Developments
- 9.7. Volta Energy
  - 9.7.1. Company Overview
  - 9.7.2. Key Executives
  - 9.7.3. Company Snapshot
  - 9.7.4. Operating Business Segments
  - 9.7.5. Product Portfolio
  - 9.7.6. Business Performance
  - 9.7.7. Key Strategic Moves and Developments
- 9.8. Ameresco Solar
  - 9.8.1. Company Overview
  - 9.8.2. Key Executives
  - 9.8.3. Company Snapshot
  - 9.8.4. Operating Business Segments
  - 9.8.5. Product Portfolio
  - 9.8.6. Business Performance
  - 9.8.7. Key Strategic Moves and Developments
- 9.9. Renology
  - 9.9.1. Company Overview
  - 9.9.2. Key Executives
  - 9.9.3. Company Snapshot
  - 9.9.4. Operating Business Segments

9.9.5. Product Portfolio

9.9.6. Business Performance

9.9.7. Key Strategic Moves and Developments

9.10. Coolnut

9.10.1. Company Overview

9.10.2. Key Executives

9.10.3. Company Snapshot

9.10.4. Operating Business Segments

9.10.5. Product Portfolio

9.10.6. Business Performance

9.10.7. Key Strategic Moves and Developments

## I would like to order

Product name: Solar Generator Market By Type (Below 40KWH, 40-80 KWH, 80-150 KWH, Over 150 KWH) , By Battery Type (Lead-acid, Lithium-ion, Others) By Application (Residential, Commercial, Industrial, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: <https://marketpublishers.com/r/S161EAB3FDACEN.html>

Price: US\$ 2,601.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S161EAB3FDACEN.html>