

# **Solar Generator Market Report by Grid Connectivity (Off-grid, On-grid), End User (Residential, Industrial, Commercial, Military), and Region 2024-2032**

<https://marketpublishers.com/r/S0DCA5F0A828EN.html>

Date: April 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: S0DCA5F0A828EN

## **Abstracts**

The global solar generator market size reached US\$ 563.6 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,144.7 Million by 2032, exhibiting a growth rate (CAGR) of 7.9% during 2024-2032.

It refers to a photovoltaic (PV) system which produces electricity from photonic energy of the sunlight. There is a wide variety of solar generators available in the market in different sizes and capacities based on the consumer's needs and requirements. Over time, the growing shortage of electricity across the globe and the consequent demand for power-backup has escalated the sales of solar generators. These generators do not emit noxious fumes like gas-powered generators and can power homes for as long as needed.

Solar generators are economical; require minimal cost investments and fuel for operation; generate zero pollution; and can store energy for future purposes. Owing to these factors, they are increasingly being used for the production and distribution of power across the globe. The imbalance between the supply of and demand for electricity, due to the rapid urbanization and a rise in population, has eventually led to power shortage across many regions where solar generators can play a vital role in reducing this scarcity. Furthermore, the market is influenced by the rising concerns about climate change, which have created awareness regarding the usage of renewable resources like solar, hydro and wind power. Owing to which, governments of various countries are encouraging investments in renewable resources by providing tax relaxations and incentives. These initiatives have reduced the prices of solar generators which, in turn, has boosted their sales.

### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global solar generator market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on grid connectivity, and end user.

### Breakup by Grid Connectivity:

Off-grid  
On-grid

Currently, off-grid connectivity dominates the market, holding the largest share as it helps the users at the time of an emergency or power outage.

### Breakup by End User:

Residential  
Industrial  
Commercial  
Military

At present, the residential sector currently represents the largest end user segment. This can be accredited to the rising electricity prices and growing awareness among consumers about renewable energy sources.

### Regional Insights:

Asia Pacific  
North America  
Europe  
Middle East and Africa  
Latin America

On a geographical front, North America enjoys the leading position in the market, accounting for the majority of the global market share.

### Competitive Landscape:

Some of the leading players operating in the market are Goal Zero LLC, Hollandia

Solar, Altern Limited, Jaspak Pte. Ltd., Sunvis Solar Co. Ltd., BioLite, Inc., Powerenz, Inc., SolSolutions LLC, SolaRover, Inc., SolarLine Group, and Voltaic Power Pvt. Ltd.

#### Key Questions Answered in This Report:

How has the global solar generator market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global solar generator market?

What are the various grid connectivity segments?

Who are the major end users?

What are the various stages in the value chain of the global solar generator market?

What are the key driving factors and challenges in the global solar generator market?

What is the structure of the global solar generator market and who are the key players?

What is the degree of competition in the global solar generator market?

How are solar generators manufactured?

## Contents

### 1 PREFACE

### 2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### 3 EXECUTIVE SUMMARY

### 4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

### 5 GLOBAL SOLAR GENERATOR MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Price Analysis
  - 5.4.1 Key Price Indicators
  - 5.4.2 Price Structure
- 5.5 Market Breakup by Grid Connectivity
- 5.6 Market Breakup by End-User
- 5.7 Market Breakup by Region
- 5.8 Market Forecast
- 5.9 SWOT Analysis
  - 5.9.1 Overview
  - 5.9.2 Strengths
  - 5.9.3 Weaknesses

5.9.4 Opportunities

5.9.5 Threats

5.10 Value Chain Analysis

5.11 Porter's Five Forces Analysis

5.11.1 Overview

5.11.2 Bargaining Power of Buyers

5.11.3 Bargaining Power of Suppliers

5.11.4 Degree of Competition

5.11.5 Threat of New Entrants

5.11.6 Threat of Substitutes

## **6 MARKET BREAKUP BY GRID CONNECTIVITY**

6.1 Off-Grid

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 On-Grid

6.2.1 Market Trends

6.2.2 Market Forecast

## **7 MARKET BREAKUP BY END-USER**

7.1 Residential

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Commercial

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Industrial

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Military

7.4.1 Market Trends

7.4.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

8.1 North America

8.1.1 Market Trends

- 8.1.2 Market Forecast
- 8.2 Europe
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Asia Pacific
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Middle East and Africa
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast
- 8.5 Latin America
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast

## **9 SOLAR GENERATOR MANUFACTURING PROCESS**

- 9.1 Product Overview
- 9.2 Raw Material Requirements
- 9.3 Manufacturing Process
- 9.4 Key Success and Risk Factors

## **10 COMPETITIVE LANDSCAPE**

- 10.1 Market Structure
- 10.2 Key Players
- 10.3 Profiles of Key Players
  - 10.3.1 Goal Zero LLC
  - 10.3.2 Hollandia Solar
  - 10.3.3 Altern Limited
  - 10.3.4 Jaspak Pte. Ltd.
  - 10.3.5 Sunvis Solar Co. Ltd.
  - 10.3.6 BioLite, Inc.
  - 10.3.7 Powerenz, Inc.
  - 10.3.8 SolSolutions LLC
  - 10.3.9 SolaRover, Inc.
  - 10.3.10 SolarLine Group
  - 10.3.11 Voltaic Power Pvt. Ltd.

## List Of Tables

### LIST OF TABLES

Table 1: Global: Solar Generator Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Solar Generator Market Forecast: Breakup by Grid Connectivity (in Million US\$), 2024-2032

Table 3: Global: Solar Generator Market Forecast: Breakup by End-User (in Million US\$), 2024-2032

Table 4: Global: Solar Generator Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Solar Generator Manufacturing: Raw Material Requirements

Table 6: Global: Solar Generator Market: Competitive Structure

Table 7: Global: Solar Generator Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Solar Generator Market: Major Drivers and Challenges

Figure 2: Global: Solar Generator Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Solar Generator Market: Breakup by Grid Connectivity (in %), 2023

Figure 4: Global: Solar Generator Market: Breakup by End-User (in %), 2023

Figure 5: Global: Solar Generator Market: Breakup by Region (in %), 2023

Figure 6: Global: Solar Generator Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 7: Solar Generator Market: Price Structure

Figure 8: Global: Solar Generator Industry: SWOT Analysis

Figure 9: Global: Solar Generator Industry: Value Chain Analysis

Figure 10: Global: Solar Generator Industry: Porter's Five Forces Analysis

Figure 11: Global: Solar Generator (Off-Grid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Solar Generator (Off-Grid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Solar Generator (On-Grid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Solar Generator (On-Grid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Solar Generator (Residential Use) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Solar Generator (Residential Use) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Solar Generator (Commercial Use) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Solar Generator (Commercial Use) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Solar Generator (Industrial Use) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Solar Generator (Industrial Use) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Solar Generator (Military Use) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Solar Generator (Military Use) Market Forecast: Sales Value (in Million US\$), 2024-2032



Figure 23: North America: Solar Generator Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: North America: Solar Generator Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Europe: Solar Generator Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Europe: Solar Generator Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Asia Pacific: Solar Generator Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Asia Pacific: Solar Generator Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Middle East and Africa: Solar Generator Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Middle East and Africa: Solar Generator Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Latin America: Solar Generator Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Latin America: Solar Generator Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Solar Generator Manufacturing: Process Flow

## I would like to order

Product name: Solar Generator Market Report by Grid Connectivity (Off-grid, On-grid), End User (Residential, Industrial, Commercial, Military), and Region 2024-2032

Product link: <https://marketpublishers.com/r/S0DCA5F0A828EN.html>

Price: US\$ 3,899.00 (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/S0DCA5F0A828EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

