

Global Solar-powered Portable Power Devices Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Solar-powered Portable Power Devices market size was valued at US\$ 1001 million in 2024 and is forecast to a readjusted size of USD 1962 million by 2031 with a CAGR of 10.1% during review period.

Solar-powered portable power devices are compact, mobile power sources that harness solar energy to generate electricity. These devices are equipped with solar panels, which are responsible for converting sunlight into direct current (DC) electricity through the photovoltaic effect. The generated DC power is then either stored in an internal rechargeable battery for later use or, in some cases, converted into alternating current (AC) power using an inverter for immediate application. Solar-powered portable power devices are designed to be easily carried and transported, making them ideal for various off-grid situations such as camping, hiking, emergency power backup, and use in remote areas where access to traditional power sources is limited. They come in a variety of sizes and power capacities, offering users the flexibility to charge a wide range of electronic devices, from smartphones and tablets to small appliances and even some power tools.

This report is a detailed and comprehensive analysis for global Solar-powered Portable Power Devices market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Solar-powered Portable Power Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Solar-powered Portable Power Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Solar-powered Portable Power Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Solar-powered Portable Power Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Solar-powered Portable Power Devices

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Solar-powered Portable Power Devices market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Goal Zero, Anker Innovations, Renogy, Suaoki, Jackery, EcoFlow, SunJack, Boulder Solar, Bluetti, PowerFilm Solar, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Solar-powered Portable Power Devices market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and

forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Solar Charging Panels

Portable Power Stations

Solar Chargers

Market segment by Application

Outdoor Activities

Emergency Backup

Mobile Office

Other

Major players covered

Goal Zero

Anker Innovations

Renogy

Suaoki

Jackery

EcoFlow

SunJack

Boulder Solar

Bluetti

PowerFilm Solar

ALLPOWERS

Lixada

RAVPower

X-Dragon

Voltaic Systems

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Solar-powered Portable Power Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Solar-powered Portable Power Devices, with price, sales quantity, revenue, and global market share of Solar-powered Portable Power Devices from 2020 to 2025.

Chapter 3, the Solar-powered Portable Power Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Solar-powered Portable Power Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Solar-powered Portable Power Devices market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Solar-powered Portable Power Devices.

Chapter 14 and 15, to describe Solar-powered Portable Power Devices sales channel, distributors, customers, research findings and conclusion.

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