

Global Solar Pump Inverter Market Size, Manufacturers, Opportunities and Forecast to 2030

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Abstracts

Solar pumping inverter converts DC current from the solar array into AC current to drive the pump. With the function of MPPT (maximum power point tracking), it regulates the output frequency according to irradiation in real time to achieve the maximum power.

Solar Inverters Features:

1. Adopting the proposed dynamic VI maximum power point tracking (MPPT) control method; Fast response and stable operation; Better than the conventional methods which may lead to the problems including poor tracking performances, unstable or even cause water hammer damaging when the irradiation on the array changes rapidly.
2. The solar pumping inverters system is dispensed with energy storing devices, and stores water instead of electricity. It improves the reliability of the device, at the same time, it lowers the construction and maintenance costs of the system dramatically.
3. Digital control; automatic operation and data acquisition/storage of 8 years, etc; 98% of conversion efficiency, and complete protection.
4. In-line blocks; user friendly; convenient for operating; perfect cooling and shielding.

According to APO Research, The global Solar Pump Inverter market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Global Solar Pump Inverter key players include ABB, Hitachi, Voltronic Power, etc. Global top three manufacturers hold a share over 40%.

Europe is the largest market, with a share about 70%, followed by Africa and Middle East, both have a share over 25 percent.

In terms of product, Single Purpose is the largest segment, with a share about 95%. And in terms of application, the largest application is Commercial Use, followed by Home Use.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Solar Pump Inverter, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Solar Pump Inverter.

The Solar Pump Inverter market size, estimations, and forecasts are provided in terms of sales volume (KW) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Solar Pump Inverter market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

ABB

Hitachi

Voltronic Power

Schneider Electric

GRUNDFOS

B&B Power

Sollatek

Solar Tech

Gozuk

MNE

Voltacon

Hober

Solar Pump Inverter segment by Type

Single Purpose

Multipurpose

Solar Pump Inverter segment by Application

Commercial Use

Home Use

Solar Pump Inverter Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Solar Pump Inverter market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Solar Pump Inverter and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more

insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Solar Pump Inverter.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Solar Pump Inverter manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Solar Pump Inverter in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Solar Pump Inverter Market Size Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Solar Pump Inverter Sales Estimates and Forecasts (2019-2030)
- 1.3 Solar Pump Inverter Market by Type
 - 1.3.1 Single Purpose
 - 1.3.2 Multipurpose
- 1.4 Global Solar Pump Inverter Market Size by Type
 - 1.4.1 Global Solar Pump Inverter Market Size Overview by Type (2019-2030)
 - 1.4.2 Global Solar Pump Inverter Historic Market Size Review by Type (2019-2024)
 - 1.4.3 Global Solar Pump Inverter Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Solar Pump Inverter Sales Breakdown by Type (2019-2024)
 - 1.5.2 Europe Solar Pump Inverter Sales Breakdown by Type (2019-2024)
 - 1.5.3 Asia-Pacific Solar Pump Inverter Sales Breakdown by Type (2019-2024)
 - 1.5.4 Latin America Solar Pump Inverter Sales Breakdown by Type (2019-2024)
 - 1.5.5 Middle East and Africa Solar Pump Inverter Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

- 2.1 Solar Pump Inverter Industry Trends
- 2.2 Solar Pump Inverter Industry Drivers
- 2.3 Solar Pump Inverter Industry Opportunities and Challenges
- 2.4 Solar Pump Inverter Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Solar Pump Inverter Revenue (2019-2024)
- 3.2 Global Top Players by Solar Pump Inverter Sales (2019-2024)
- 3.3 Global Top Players by Solar Pump Inverter Price (2019-2024)
- 3.4 Global Solar Pump Inverter Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Solar Pump Inverter Key Company Manufacturing Sites & Headquarters
- 3.6 Global Solar Pump Inverter Company, Product Type & Application
- 3.7 Global Solar Pump Inverter Company Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global Solar Pump Inverter Market CR5 and HHI

3.8.2 Global Top 5 and 10 Solar Pump Inverter Players Market Share by Revenue in 2023

3.8.3 2023 Solar Pump Inverter Tier 1, Tier 2, and Tier

4 SOLAR PUMP INVERTER REGIONAL STATUS AND OUTLOOK

4.1 Global Solar Pump Inverter Market Size and CAGR by Region: 2019 VS 2023 VS 2030

4.2 Global Solar Pump Inverter Historic Market Size by Region

4.2.1 Global Solar Pump Inverter Sales in Volume by Region (2019-2024)

4.2.2 Global Solar Pump Inverter Sales in Value by Region (2019-2024)

4.2.3 Global Solar Pump Inverter Sales (Volume & Value), Price and Gross Margin (2019-2024)

4.3 Global Solar Pump Inverter Forecasted Market Size by Region

4.3.1 Global Solar Pump Inverter Sales in Volume by Region (2025-2030)

4.3.2 Global Solar Pump Inverter Sales in Value by Region (2025-2030)

4.3.3 Global Solar Pump Inverter Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 SOLAR PUMP INVERTER BY APPLICATION

5.1 Solar Pump Inverter Market by Application

5.1.1 Commercial Use

5.1.2 Home Use

5.2 Global Solar Pump Inverter Market Size by Application

5.2.1 Global Solar Pump Inverter Market Size Overview by Application (2019-2030)

5.2.2 Global Solar Pump Inverter Historic Market Size Review by Application (2019-2024)

5.2.3 Global Solar Pump Inverter Forecasted Market Size by Application (2025-2030)

5.3 Key Regions Market Size by Application

5.3.1 North America Solar Pump Inverter Sales Breakdown by Application (2019-2024)

5.3.2 Europe Solar Pump Inverter Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific Solar Pump Inverter Sales Breakdown by Application (2019-2024)

5.3.4 Latin America Solar Pump Inverter Sales Breakdown by Application (2019-2024)

5.3.5 Middle East and Africa Solar Pump Inverter Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

6.1 ABB

- 6.1.1 ABB Company Information
- 6.1.2 ABB Business Overview
- 6.1.3 ABB Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
- 6.1.4 ABB Solar Pump Inverter Product Portfolio
- 6.1.5 ABB Recent Developments

6.2 Hitachi

- 6.2.1 Hitachi Company Information
- 6.2.2 Hitachi Business Overview
- 6.2.3 Hitachi Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
- 6.2.4 Hitachi Solar Pump Inverter Product Portfolio
- 6.2.5 Hitachi Recent Developments

6.3 Voltronic Power

- 6.3.1 Voltronic Power Company Information
- 6.3.2 Voltronic Power Business Overview
- 6.3.3 Voltronic Power Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
- 6.3.4 Voltronic Power Solar Pump Inverter Product Portfolio
- 6.3.5 Voltronic Power Recent Developments

6.4 Schneider Electric

- 6.4.1 Schneider Electric Company Information
- 6.4.2 Schneider Electric Business Overview
- 6.4.3 Schneider Electric Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
- 6.4.4 Schneider Electric Solar Pump Inverter Product Portfolio
- 6.4.5 Schneider Electric Recent Developments

6.5 GRUNDFOS

- 6.5.1 GRUNDFOS Company Information
- 6.5.2 GRUNDFOS Business Overview
- 6.5.3 GRUNDFOS Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
- 6.5.4 GRUNDFOS Solar Pump Inverter Product Portfolio
- 6.5.5 GRUNDFOS Recent Developments

6.6 B&B Power

- 6.6.1 B&B Power Company Information
- 6.6.2 B&B Power Business Overview
- 6.6.3 B&B Power Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)

- 6.6.4 B&B Power Solar Pump Inverter Product Portfolio
- 6.6.5 B&B Power Recent Developments
- 6.7 Sollatek
 - 6.7.1 Sollatek Comapny Information
 - 6.7.2 Sollatek Business Overview
 - 6.7.3 Sollatek Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
 - 6.7.4 Sollatek Solar Pump Inverter Product Portfolio
 - 6.7.5 Sollatek Recent Developments
- 6.8 Solar Tech
 - 6.8.1 Solar Tech Comapny Information
 - 6.8.2 Solar Tech Business Overview
 - 6.8.3 Solar Tech Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
 - 6.8.4 Solar Tech Solar Pump Inverter Product Portfolio
 - 6.8.5 Solar Tech Recent Developments
- 6.9 Gozuk
 - 6.9.1 Gozuk Comapny Information
 - 6.9.2 Gozuk Business Overview
 - 6.9.3 Gozuk Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
 - 6.9.4 Gozuk Solar Pump Inverter Product Portfolio
 - 6.9.5 Gozuk Recent Developments
- 6.10 MNE
 - 6.10.1 MNE Comapny Information
 - 6.10.2 MNE Business Overview
 - 6.10.3 MNE Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
 - 6.10.4 MNE Solar Pump Inverter Product Portfolio
 - 6.10.5 MNE Recent Developments
- 6.11 Voltacon
 - 6.11.1 Voltacon Comapny Information
 - 6.11.2 Voltacon Business Overview
 - 6.11.3 Voltacon Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
 - 6.11.4 Voltacon Solar Pump Inverter Product Portfolio
 - 6.11.5 Voltacon Recent Developments
- 6.12 Hober
 - 6.12.1 Hober Comapny Information
 - 6.12.2 Hober Business Overview
 - 6.12.3 Hober Solar Pump Inverter Sales, Revenue and Gross Margin (2019-2024)
 - 6.12.4 Hober Solar Pump Inverter Product Portfolio
 - 6.12.5 Hober Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America Solar Pump Inverter Sales by Country

7.1.1 North America Solar Pump Inverter Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.1.2 North America Solar Pump Inverter Sales by Country (2019-2024)

7.1.3 North America Solar Pump Inverter Sales Forecast by Country (2025-2030)

7.2 North America Solar Pump Inverter Market Size by Country

7.2.1 North America Solar Pump Inverter Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Solar Pump Inverter Market Size by Country (2019-2024)

7.2.3 North America Solar Pump Inverter Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe Solar Pump Inverter Sales by Country

8.1.1 Europe Solar Pump Inverter Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Solar Pump Inverter Sales by Country (2019-2024)

8.1.3 Europe Solar Pump Inverter Sales Forecast by Country (2025-2030)

8.2 Europe Solar Pump Inverter Market Size by Country

8.2.1 Europe Solar Pump Inverter Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Solar Pump Inverter Market Size by Country (2019-2024)

8.2.3 Europe Solar Pump Inverter Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Solar Pump Inverter Sales by Country

9.1.1 Asia-Pacific Solar Pump Inverter Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Solar Pump Inverter Sales by Country (2019-2024)

9.1.3 Asia-Pacific Solar Pump Inverter Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific Solar Pump Inverter Market Size by Country

9.2.1 Asia-Pacific Solar Pump Inverter Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Solar Pump Inverter Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Solar Pump Inverter Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America Solar Pump Inverter Sales by Country

10.1.1 Latin America Solar Pump Inverter Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Solar Pump Inverter Sales by Country (2019-2024)

10.1.3 Latin America Solar Pump Inverter Sales Forecast by Country (2025-2030)

10.2 Latin America Solar Pump Inverter Market Size by Country

10.2.1 Latin America Solar Pump Inverter Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Solar Pump Inverter Market Size by Country (2019-2024)

10.2.3 Latin America Solar Pump Inverter Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Solar Pump Inverter Sales by Country

11.1.1 Middle East and Africa Solar Pump Inverter Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Solar Pump Inverter Sales by Country (2019-2024)

11.1.3 Middle East and Africa Solar Pump Inverter Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Solar Pump Inverter Market Size by Country

11.2.1 Middle East and Africa Solar Pump Inverter Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Solar Pump Inverter Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Solar Pump Inverter Market Size Forecast by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Solar Pump Inverter Value Chain Analysis

12.1.1 Solar Pump Inverter Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Solar Pump Inverter Production Mode & Process

12.2 Solar Pump Inverter Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Solar Pump Inverter Distributors

12.2.3 Solar Pump Inverter Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

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