

Solar Pumps Market Report by Type (Submersible, Surface, Floating), Capacity (Below 4HP, 4-6 HP, 6-8 HP, Above 8 HP), Application (Agriculture, Water Treatment, and Others), and Region 2024-2032

<https://marketpublishers.com/r/S6ED6CE6065CEN.html>

Date: April 2024

Pages: 137

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

ID: S6ED6CE6065CEN

Abstracts

The global solar pumps market size reached US\$ 2.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.9 Billion by 2032, exhibiting a growth rate (CAGR) of 7.2% during 2024-2032. Rising environmental consciousness, the widespread product usage in the agricultural and allied sectors, and extensive research and development (R&D) activities for introducing more effective product variants represent some of the key factors driving the market.

Solar pumps are devices driven by the electricity generated from the photovoltaic (PV) panels. They also operate by converting radiant heat produced from the accumulated sun rays (photons). They usually create the direct current (DC) that enables the motor to pump water, and it further generates alternating current when the inverter is being utilized to operate the machine. As compared to conventional water pumps, they are more eco-friendly, flexible, easier to install, consistent, economical, simple to maintain, and offer superior reliability at minimal operational expenses. Apart from this, solar pumps do not require electricity to perform, increase productivity by saving time, minimize the labor requirements and the need for external power, and offer longer operating life. As a result, solar pumps are extensively used in several agricultural, water management, and household applications. At present, they are commercially available in varying product variants and capacities.

Solar Pumps Market Trends:

The significant enhancements in the agriculture sector, along with the increasing need for water management supply solutions for crop irrigation and community water

distribution, are some of the prime factors driving the market toward growth. Additionally, the escalating environmental concerns and the rising consumer awareness regarding the detrimental effects of using non-renewable resources are facilitating product demand in the market growth. This is further attributed to the enforcement of stringent green regulations by governments to minimize the reliance on fossil fuels, such as coal, and diesel and reduce greenhouse gas (GHG) emissions. Furthermore, the shifting consumer inclination towards clean, renewable energy sources has further encouraged regulatory bodies to subsidize solar energy usage across multiple industrial and residential infrastructures, which is acting as another growth-inducing factor. In line with this, the growing electrification in rural areas and the fueling water need for deep well plumbing and livestock watering applications have intensified the uptake of solar pumps in remote locations to draw water from reservoirs while ensuring minimum wastage. This, in turn, is contributing to the market growth. Other factors, such as the recent development of advanced solar pumps by key players through strategic collaborations and the increasing awareness regarding their benefits, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global solar pumps market, along with forecasts at the global, regional, and country level from 2024-2032. Our report has categorized the market based on type, capacity and application.

Type Insights:

Submersible

Alternating current (AC)

Direct current (DC))

Surface

Alternating current (AC)

Direct current (DC))

Floating

The report has also provided a detailed breakup and analysis of the solar pumps market based on the type. This includes submersible [alternating current (AC) and direct current (DC)], surface [alternating current (AC) and direct current (DC)] and floating. According to the report, submersible represented the largest segment.

Capacity Insights:

Below 4HP
4-6 HP
6-8 HP
Above 8 HP

A detailed breakup and analysis of the solar pumps market based on the capacity has also been provided in the report. This includes below 4HP, 4-6 HP, 6-8 HP, and above 8 HP. According to the report, below 4HP accounted for the largest market share.

Application Insights:

Agriculture
Water Treatment
Others

The report has also provided a detailed breakup and analysis of the solar pumps market based on the application. This includes agriculture, water treatment, and others. According to the report, agriculture represented the largest segment.

Regional Insights:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain

Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and Middle East and Africa. According to the report, Asia Pacific was the largest market for solar pumps. Some of the factors driving the Asia Pacific solar pumps market included the significant expansion in the agriculture sector, extensive research and development (R&D) activities, and the introduction of more effective product variants.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global solar pumps market. Detailed profiles of all major companies have also been provided. Some of the companies covered includes Alpex Solar Pvt. Ltd., Aquasub Engineering, Bright Solar Limited, C.R.I. Pumps Private Limited, Crompton Greaves Consumer Electricals Limited, Duke Plasto Technique Private Limited, KSB SE & Co. KGaA, Oswal Pumps Ltd., Rainbow Power Company Ltd., SAMKING Solar Pump, Shakti Pumps India Limited, Solar Power & Pump Company LLC, Tata Power Solar Systems Limited, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the global solar pumps market in 2023?
2. What is the expected growth rate of the global solar pumps market during 2024-2032?
3. What are the key factors driving the global solar pumps market?
4. What has been the impact of COVID-19 on the global solar pumps market?
5. What is the breakup of the global solar pumps market based on the type?
6. What is the breakup of the global solar pumps market based on the capacity?
7. What is the breakup of the global solar pumps market based on the application?

8. What are the key regions in the global solar pumps market?
9. Who are the key players/companies in the global solar pumps market?

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 PUMPS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Submersible
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Alternating Current (AC)
 - 6.1.2.2 Direct Current (DC)
 - 6.1.3 Market Forecast
- 6.2 Surface

- 6.2.1 Market Trends
- 6.2.2 Key Segments
 - 6.2.2.1 Alternating Current (AC)
 - 6.2.2.2 Direct Current (DC)
- 6.2.3 Market Forecast
- 6.3 Floating
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY CAPACITY

- 7.1 Below 4 HP
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 4-6 HP
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 6-8 HP
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Above 8 HP
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Agriculture
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Water Treatment
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Others
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America

- 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy

- 9.3.4.1 Market Trends
- 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

- 10.1 Overview
- 10.2 Drivers
- 10.3 Restraints
- 10.4 Opportunities

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers

- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Alpex Solar Pvt. Ltd.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Aquasub Engineering
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Bright Solar Limited
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.4 C.R.I. Pumps Private Limited
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Crompton Greaves Consumer Electricals Limited
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.6 Duke Plasto Technique Private Limited
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.7 KSB SE & Co. KGaA
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
 - 14.3.8 Oswal Pumps Ltd.
 - 14.3.8.1 Company Overview

- 14.3.8.2 Product Portfolio
- 14.3.9 Rainbow Power Company Ltd.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 SAMKING Solar Pump
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Shakti Pumps India Limited
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
- 14.3.12 Solar Power & Pump Company LLC
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
- 14.3.13 Tata Power Solar Systems Limited
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Solar Pumps Market: Key Industry Highlights, 2023 & 2032

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

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

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

Table 5: Global: Solar Pumps Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Solar Pumps Market: Competitive Structure

Table 7: Global: Solar Pumps Market: Key Players

List Of Figures

LIST OF FIGURES

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

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

Figure 3: Global: Solar Pumps Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Solar Pumps Market: Breakup by Type (in %), 2023

Figure 5: Global: Solar Pumps Market: Breakup by Capacity (in %), 2023

Figure 6: Global: Solar Pumps Market: Breakup by Application (in %), 2023

Figure 7: Global: Solar Pumps Market: Breakup by Region (in %), 2023

Figure 8: Global: Solar Pumps (Submersible) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Solar Pumps (Submersible) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Solar Pumps (Surface) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Solar Pumps (Surface) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Solar Pumps (Floating) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Solar Pumps (Floating) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Solar Pumps (Below 4 HP) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Solar Pumps (Below 4 HP) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Solar Pumps (4-6 HP) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Solar Pumps (4-6 HP) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Solar Pumps (6-8 HP) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Solar Pumps (6-8 HP) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Solar Pumps (Above 8 HP) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Solar Pumps (Above 8 HP) Market Forecast: Sales Value (in Million

US\$), 2024-2032

Figure 22: Global: Solar Pumps (Agriculture) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Solar Pumps (Agriculture) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Solar Pumps (Water Treatment) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Solar Pumps (Water Treatment) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Solar Pumps (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Solar Pumps (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: North America: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: North America: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: United States: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: United States: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Canada: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Canada: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Asia-Pacific: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Asia-Pacific: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: China: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: China: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Japan: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Japan: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: India: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: India: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: South Korea: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: South Korea: Solar Pumps Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 44: Australia: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Australia: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 46: Indonesia: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Indonesia: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 48: Others: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Others: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 50: Europe: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Europe: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 52: Germany: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Germany: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 54: France: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: France: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 56: United Kingdom: Solar Pumps Market: Sales Value (in Million US\$), 2018 &
2023

Figure 57: United Kingdom: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 58: Italy: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Italy: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Spain: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Spain: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 62: Russia: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Russia: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 64: Others: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Others: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 66: Latin America: Solar Pumps Market: Sales Value (in Million US\$), 2018 &
2023

Figure 67: Latin America: Solar Pumps Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 68: Brazil: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Brazil: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Mexico: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Mexico: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Others: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Others: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Middle East and Africa: Solar Pumps Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Middle East and Africa: Solar Pumps Market: Breakup by Country (in %), 2023

Figure 76: Middle East and Africa: Solar Pumps Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Global: Solar Pumps Industry: Drivers, Restraints, and Opportunities

Figure 78: Global: Solar Pumps Industry: Value Chain Analysis

Figure 79: Global: Solar Pumps Industry: Porter's Five Forces Analysis

I would like to order

Product name: Solar Pumps Market Report by Type (Submersible, Surface, Floating), Capacity (Below 4HP, 4-6 HP, 6-8 HP, Above 8 HP), Application (Agriculture, Water Treatment, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/S6ED6CE6065CEN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S6ED6CE6065CEN.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