

Agriculture Solar Pumps Market Size, Share, and Outlook, 2025 Report- By Type (Submersible, Surface), Pressure (Low Pressure, Medium Pressure, High Pressure), Capacity (Below 4 HP, 4 to 6 HP, 6 to 8 HP, Above 8 HP), and Companies, 2021-2032

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Abstracts

Agriculture Solar Pumps Market Outlook

The global Agriculture Solar Pumps market is expected to register a growth rate of 4.6% during the forecast period from \$1.7 Billion in 2024 to \$2.4 Billion in 2032. The Agriculture Solar Pumps market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Agriculture Solar Pumps segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Submersible, Surface), Pressure (Low Pressure, Medium Pressure, High Pressure), Capacity (Below 4 HP, 4 to 6 HP, 6 to 8 HP, Above 8 HP). Over 70 tables and charts showcase findings from our latest survey report on Agriculture Solar Pumps markets.

Agriculture Solar Pumps Market Insights, 2025

The agriculture solar pumps market is gaining ground globally as governments and rural communities adopt clean energy solutions to ensure reliable irrigation access in off-grid areas. Unlike diesel-powered alternatives, solar pumps offer a sustainable, cost-effective, and low-maintenance solution for smallholder and commercial farmers. Countries like India (through its PM-KUSUM scheme), Kenya, and Bangladesh are

driving uptake with capital subsidies and soft loans to promote solar-powered irrigation. Solar pump manufacturers such as Lorentz, Jain Irrigation, and SunCulture are customizing AC/DC variants for varied crop types and water depths. With increasing water stress and climate variability, solar pumps enable efficient water use through drip and sprinkler systems. Furthermore, the declining cost of photovoltaic panels and improvements in battery storage technologies are making solar pumps more viable year-round, fostering food security and economic resilience in rural agricultural zones.

Five Trends that will define global Agriculture Solar Pumps market in 2025 and Beyond

A closer look at the multi-million global market for Agriculture Solar Pumps identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Agriculture Solar Pumps companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future.

What are the biggest opportunities for growth in the Agriculture Solar Pumps industry?

The Agriculture Solar Pumps sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2030. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Agriculture Solar Pumps Market Segment Insights

The Agriculture Solar Pumps industry presents strong offers across categories. The analytical report offers forecasts of Agriculture Solar Pumps industry performance across segments and countries. Key segments in the industry include By Type (Submersible, Surface), Pressure (Low Pressure, Medium Pressure, High Pressure), Capacity (Below 4 HP, 4 to 6 HP, 6 to 8 HP, Above 8 HP). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for

Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Agriculture Solar Pumps market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Agriculture Solar Pumps industry ecosystem. It assists decision-makers in evaluating global Agriculture Solar Pumps market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Agriculture Solar Pumps industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios: slow growth, reference case, and high growth cases.

Asia Pacific Agriculture Solar Pumps Market Analysis: A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with a combined population of over 4.5 billion, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Agriculture Solar Pumps Industry 2025: Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Agriculture Solar Pumps with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases

shapes the market outlook. The report analyses the key Agriculture Solar Pumps market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Agriculture Solar Pumps market Insights Executives are most excited about opportunities for the US Agriculture Solar Pumps industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Agriculture Solar Pumps companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Agriculture Solar Pumps market.

Latin American Agriculture Solar Pumps market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported since H2-2024 and the prospects remain strong for 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Agriculture Solar Pumps Markets New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Agriculture Solar Pumps markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Agriculture Solar Pumps markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape How Agriculture Solar Pumps companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Bernt Lorentz Global GmbH, Bright Solar Solutions Ltd., C.R.I. Pumps Holdings Limited, Greenmax Technology Corporation, Greensun Solar Energy Technologies, Inc., GRUNDFOS Holdings, Inc., Jain Irrigation Systems International, Ltd., Lorentz Solutions, Inc., PM Pumpmakers Global GmbH, Schneider Electric Holdings SE, Shakti Pumps International, Ltd., Tata Power Solar Systems Holdings, Ltd., The Flowserve Corporation Worldwide.

Agriculture Solar Pumps Market Scope

Leading Segments

By Type

Submersible

Surface

By Pressure

Low Pressure

Medium Pressure

High Pressure

By Capacity

Below 4 HP

4 to 6 HP

6 to 8 HP

Above 8 HP

Leading Companies

Bernt Lorentz Global GmbH

Bright Solar Solutions Ltd.

C.R.I. Pumps Holdings Limited

Greenmax Technology Corporation

Greensun Solar Energy Technologies, Inc.

GRUNDFOS Holdings, Inc.

Jain Irrigation Systems International, Ltd.

Lorentz Solutions, Inc.

PM Pumpmakers Global GmbH

Schneider Electric Holdings SE

Shakti Pumps International, Ltd.

Tata Power Solar Systems Holdings, Ltd.

The Flowserve Corporation Worldwide

Geographies

North AmericaUS, Canada, Mexico

EuropeGermany, France, UK, Spain, Italy, Nordics, BeNeLux, Others

Asia PacificChina, India, Japan, South Korea, Australia, South East Asia, Others

Latin America Brazil, Argentina, Others

Middle East and Africa Saudi Arabia, UAE, Other Middle East, South Africa, Other Africa

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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C.R.I. Pumps Holdings Limited

Greenmax Technology Corporation

Greensun Solar Energy Technologies, Inc.

GRUNDFOS Holdings, Inc.

Jain Irrigation Systems International, Ltd.

Lorentz Solutions, Inc.

PM Pumpmakers Global GmbH

Schneider Electric Holdings SE

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The Flowserve Corporation Worldwide

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