

Saudi Arabia Solar Water Pumps Market, By Type (Submersible and Surface), By Capacity (Below 5 HP, 5-8 HP and Above 8 HP), By Application (Irrigation, Drinking Water, Industrial, and Others), By Operation (AC Pump and DC Pump), By Region, Competition Forecast & Opportunities, 2018-2028F

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Abstracts

Saudi Arabia Solar Water Pumps market is anticipated to grow at a steady pace in the forecast period, 2024-2028 & will grow at a very healthy CAGR in the forecast period.

In contrast to water pumps that are driven by grid electricity or diesel, solar-powered pumps are powered by photovoltaic (PV) panels or the radiated thermal energy of the sun's radiation. For the most part, solar-powered pumps are made up of a solar panel array, solar charge controller, DC water pump, fuse box/breakers, electrical wiring, and a water storage tank. Pumps driven by solar energy are more cost-effective to operate than pumps powered by internal combustion engines because they require less upkeep & maintenance and have less environmental impact. When grid power is unavailable or unfeasible, solar pumps can be used in places where other energy sources (especially wind) are insufficient.

Water and water purification techniques will be necessary with the growing rate of urbanization. Energy-efficient water pumps are necessary to maintain a steady water supply for the expanding metropolitan population. Irrigation equipment is in high demand in the agriculture industry. These pumps are a superb piece of agricultural and rural technology. It is a pump that can function even in the absence of an electrical grid. These elements are hence, fueling the market's expansion.

Shifting Towards Low Carbon Emission Technology Enhances the Market Growth in the Forecast Period

Massive cost reductions in renewable energy technology are encouraging the shift to cleaner, more sustainable energy systems, which is an aspect that has already started. Solar power increases environmental sustainability, disaster preparedness, and climate change mitigations to ease the cost of quickly phasing out coal across Saudi Arabia's systems and to meet objectives for low carbon emissions. There has been an upsurge in the usage of clean, renewable energy. In some cases, unsubsidized renewable energy has the potential to be less expensive than brand-new conventional generators. Therefore, these factors are responsible for driving the market growth of the Saudi Arabia Solar Water Pumps Market.

Rising Environmental Consciousness Towards Reducing the Reliance on Fuel Sources is Driving the Market Growth

Through 2028 the market for solar water pumps will be driven by the rising usage of these pumps in regions without access to the grid. For instance, with government support in the form of subsidies, more people are utilising solar pumps for irrigation because of unanticipated power outages. The industry is expanding as a result of government initiatives to promote the use of solar pumps and strict limitations on carbon emissions. Solar water pumps provide a variety of benefits that are speeding market's growth, including improved efficiency, cost-effectiveness, simplicity of maintenance, extended working life, environmental friendliness, and a reduced dependency on fuels. The usage of solar water pumps for irrigation is being driven by the expansion of agricultural operations to fulfil the growing global food demand along with the requirement for a clean and fresh water source.

Lack of Knowledge Impacting the Saudi Arabia Market

Rural communities' lack of knowledge about solar pumps is likely to impede development. Many agricultural landowners and farmers are still ignorant of solar technology's capacity to produce power. Farmers are discouraged from switching to solar pumps due to the accessibility of electrical pumps and the reduced maintenance expenses associated with them. Thus, these elements are expected to limit market expansion.

Market Segmentation

The Saudi Arabia Solar Water Pumps Market is divided into Type, Capacity, Application and Operations. Based on type, the market is divided into Submersible and Surface. Based on capacity, the market is segmented into Below 5 HP, 5-8 HP and Above 8 HP. Based on the application, the market is segmented into Irrigation, Drinking Water, Industrial, and Others. Based on operation, the market is segmented into AC Pump and DC Pump.

Market Players

Major market players in the Saudi Arabia Solar Water Pumps Market are Grundfos Saudi Arabia Company Ltd, WILO Pumps Saudi Arabia Co Ltd, Sulzer Ltd, EBARA Pumps Saudi Arabia, ITT Saudi Co, KSB Pumps Arabia Ltd, Lamah Co. Ltd, Xylem Saudi Arabia, United Park Co, and Flowserve Corporation.

Report Scope:

The scope of the report is limited to solar water pumps and controllers excluding solar PV Panels.

In this report, the Saudi Arabia Solar Water Pumps Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Saudi Arabia Solar Water Pumps Market, By Type:

Submersible

Surface

Saudi Arabia Solar Water Pumps Market, By Capacity:

Below 5 HP

5-8 HP

Above 8 HP

Saudi Arabia Solar Water Pumps Market, By Application:

Irrigation

Drinking Water

Industrial

Others

Saudi Arabia Solar Water Pumps Market, By Operation:

AC Pump

DC Pump

Saudi Arabia Solar Water Pumps Market, By Region:

Northern & Central Region

Southern Region

Eastern Region

Western Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia Solar Pumps Market.

Available Customizations:

Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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