

Middle East Floating Solar Panels Market Size, Share & Trends Analysis Report By Product (Stationary Floating Solar Panels, Tracking Floating Solar Panels), By Country, And Segment Forecasts, 2025 - 2033

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Abstracts

The Middle East floating solar panels market size was estimated at USD 0.72 billion in 2024 and is projected to reach USD 1.95 billion by 2033, growing at a CAGR of 11.0% from 2025 to 2033. Deployment spans utility-scale reservoirs, desalination plants, irrigation canals, and industrial water bodies, enabling grid-connected and off-grid applications.

National initiatives, including Saudi Vision 2030, the UAE Energy Strategy 2050, and policies in Israel, Qatar, and Oman, drive investment in floating solar to diversify the energy mix, reduce carbon intensity, and optimize land use. Countries including Saudi Arabia, the UAE, Israel, Qatar, and Oman are increasingly exploring floating PV, particularly in water-scarce areas where land for conventional PV is limited. The region's abundant solar irradiation supports market growth, the rising need to optimize water reservoirs for dual use, and the cost competitiveness of solar technologies. Floating solar panels reduce evaporation losses, improve panel efficiency due to water cooling effects, and open new avenues for integrating solar into existing hydropower and desalination infrastructure.

Hybrid projects combining floating PV with battery energy storage systems (BESS) are gaining momentum to deliver a reliable, round-the-clock energy supply. Opportunities are also emerging in green hydrogen production, where floating solar can supply clean, large-scale input power and cross-border grid connectivity projects that enhance regional energy trade. With global and regional leaders such as Masdar, ACWA Power, EDF Renewables, JinkoSolar, and First Solar piloting and scaling floating solar

initiatives, the Middle East floating solar market is positioned to play a pivotal role in advancing renewable capacity, water-energy nexus solutions, and climate resilience strategies over the next decade.

Middle East Floating Solar Panels Market Report Segmentation

This report forecasts revenue growth at country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the Middle East Floating Solar Panels market report based on product and country:

Product Outlook (Volume, MW; Revenue, USD Million, 2021 - 2033)

Tracking Floating Solar Panels

Stationary Floating Solar Panels

Country Outlook (Volume, MW; Revenue, USD Million, 2021 - 2033)

Middle East

UAE

Saudi Arabia

Israel

Oman

Qatar

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