

Solar Farm Market Report by Type (Surface Suction, Utility-scale, Distributed Generation, Microgrids, and Others), End Use Industry (Residential, Commercial, Industrial), and Region 2024-2032

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Abstracts

The global solar farm market size reached US\$ 91.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 284.5 Billion by 2032, exhibiting a growth rate (CAGR) of 13.03% during 2024-2032.

A solar farm is a location that has multiple solar panels set up to collect solar energy and produce electricity. A large collection of photovoltaic (PV) solar panels collects energy from the sun, converts it into electricity, and sends that electricity to local and national grids for distribution and consumption. Located in an open area of the neighborhood, the solar panels on the solar farm receive maximum sunlight exposure. Unlike rooftop solar and commercial solar power systems, they use ground-mounted solar panels to power buildings, commercial buildings, and electric grids. The solar farms operate as power plants or PV power stations to produce electricity for consumers, which are also known as solar parks and solar power stations.

Solar Farm Market Trends:

The market is majorly driven by the escalating demand for photovoltaic (PV) technology across numerous end-use industries. This can be attributed to the augmenting need for renewable energy resources for power generation to minimize the dependency on conventional fuels. In line with this, a considerable rise in the depletion of fossil fuels is resulting in higher installations of solar farms on the global level. Moreover, favorable government initiatives promoting the production and distribution of energy from renewable sources to minimize the emission of pollutants are propelling the market. Apart from this, increasing investments by the major market players in the solar energy

industry are also impacting the market positively. Continual technological advancements, along with the reduction in the production cost of photovoltaic panels, are further providing an impetus to the market. Some of the other factors creating a positive market outlook include the rising consumer awareness regarding solar water farming, growing environmental concerns, inflating disposable income levels and extensive research and development (R&D) activities conducted by market players with an enhanced focus on sustainable development.

Key Market Segmentation:

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

Breakup by Type:

- Surface Suction
- Utility-scale
- Distributed Generation
- Microgrids
- Others

Breakup by End Use Industry:

- Residential
- Commercial
- Industrial

Breakup by Region:

- 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

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being First Solar Inc, JA SOLAR Technology Co. Ltd., JinkoSolar Holding Co. Ltd., LONGi Green Energy Technology Co. Ltd, Hanwha Q CELLS GmbH, RenewSys India Pvt. Ltd, Sharp Corporation, Shenzhen Topray Solar Co. Ltd, Tata Power Solar System Inc, The Solaria Corporation, Trina Solar Co. Ltd. and Vikram Solar Ltd.

Key Questions Answered in This Report

1. What was the size of the global solar farm market in 2023?
2. What is the expected growth rate of the global solar farm market during 2024-2032?
3. What are the key factors driving the global solar farm market?
4. What has been the impact of COVID-19 on the global solar farm market?
5. What is the breakup of the global solar farm market based on the type?
6. What is the breakup of the global solar farm market based on the end use industry?
7. What are the key regions in the global solar farm market?
8. Who are the key players/companies in the global solar farm 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 FARM 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 Surface Suction
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Utility-scale
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Distributed Generation

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Microgrids
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY END USE INDUSTRY

- 7.1 Residential
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Commercial
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Industrial
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
 - 8.2.3 India
 - 8.2.3.1 Market Trends

- 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 First Solar Inc

13.3.1.1 Company Overview

- 13.3.1.2 Product Portfolio
- 13.3.1.3 Financials
- 13.3.1.4 SWOT Analysis
- 13.3.2 JA SOLAR Technology Co. Ltd.
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
- 13.3.3 JinkoSolar Holding Co. Ltd.
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
- 13.3.4 LONGi Green Energy Technology Co. Ltd
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
- 13.3.5 Hanwha Q CELLS GmbH
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
- 13.3.6 RenewSys India Pvt. Ltd
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
- 13.3.7 Sharp Corporation
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.7.4 SWOT Analysis
- 13.3.8 Shenzhen Topray Solar Co. Ltd
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
- 13.3.9 Tata Power Solar System Inc
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
 - 13.3.9.3 Financials
 - 13.3.9.4 SWOT Analysis
- 13.3.10 The Solaria Corporation
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
- 13.3.11 Trina Solar Co. Ltd.
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio

13.3.12 Vikram Solar Ltd.

13.3.12.1 Company Overview

13.3.12.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Solar Farm Market: Key Industry Highlights, 2023 and 2032

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

Table 3: Global: Solar Farm Market Forecast: Breakup by End Use Industry (in Million
US\$), 2024-2032

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

Table 5: Global: Solar Farm Market: Competitive Structure

Table 6: Global: Solar Farm Market: Key Players

List Of Figures

LIST OF FIGURES

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

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

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

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

Figure 5: Global: Solar Farm Market: Breakup by End Use Industry (in %), 2023

Figure 6: Global: Solar Farm Market: Breakup by Region (in %), 2023

Figure 7: Global: Solar Farm (Surface Suction) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Solar Farm (Surface Suction) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Solar Farm (Utility-scale) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Solar Farm (Utility-scale) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Solar Farm (Distributed Generation) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Solar Farm (Distributed Generation) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Solar Farm (Microgrids) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Solar Farm (Microgrids) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Solar Farm (Other Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Solar Farm (Other Types) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Solar Farm (Residential) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Solar Farm (Residential) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Solar Farm (Commercial) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Solar Farm (Commercial) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Solar Farm (Industrial) Market: Sales Value (in Million US\$), 2018 &

2023

Figure 22: Global: Solar Farm (Industrial) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: North America: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: North America: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: United States: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: United States: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Canada: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Canada: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Asia-Pacific: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Asia-Pacific: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: China: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: China: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Japan: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Japan: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: India: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: India: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: South Korea: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: South Korea: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Australia: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Australia: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Indonesia: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Indonesia: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Others: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Others: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Europe: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Europe: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Germany: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Germany: Solar Farm Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 49: France: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: France: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 51: United Kingdom: Solar Farm Market: Sales Value (in Million US\$), 2018 &
2023

Figure 52: United Kingdom: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 53: Italy: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Italy: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Spain: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Spain: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Russia: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Russia: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 59: Others: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Others: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 61: Latin America: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Latin America: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 63: Brazil: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Brazil: Solar Farm Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Mexico: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Mexico: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 67: Others: Solar Farm Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Others: Solar Farm Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 69: Middle East and Africa: Solar Farm Market: Sales Value (in Million US\$),
2018 & 2023

Figure 70: Middle East and Africa: Solar Farm Market: Breakup by Country (in %), 2023

Figure 71: Middle East and Africa: Solar Farm Market Forecast: Sales Value (in Million
US\$), 2024-2032

Figure 72: Global: Solar Farm Industry: SWOT Analysis

Figure 73: Global: Solar Farm Industry: Value Chain Analysis

Figure 74: Global: Solar Farm Industry: Porter's Five Forces Analysis

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