

# Global Spacecraft Solar Arrays Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Spacecraft Solar Arrays market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Spacecraft solar arrays are assemblies of solar panels designed to convert sunlight into electrical power to operate spacecraft systems and instruments. These arrays are typically made from photovoltaic cells that harness solar energy by converting photons into electricity. They are crucial for powering satellites, space stations, and deep-space probes, enabling long-duration missions by providing a reliable and renewable energy source. Spacecraft solar arrays are engineered to be lightweight, durable, and efficient, often featuring mechanisms to deploy and orient the panels towards the Sun for optimal energy capture. Their design must withstand the harsh conditions of space, including extreme temperatures, radiation, and micro-meteoroid impacts, ensuring the continuous operation of the spacecraft throughout its mission.

This report is a detailed and comprehensive analysis for global Spacecraft Solar Arrays market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some

of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Spacecraft Solar Arrays market size and forecasts, in consumption value (\$ Million), sales quantity (Sq m), and average selling prices (US\$/Sq m), 2020-2031

Global Spacecraft Solar Arrays market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Sq m), and average selling prices (US\$/Sq m), 2020-2031

Global Spacecraft Solar Arrays market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Sq m), and average selling prices (US\$/Sq m), 2020-2031

Global Spacecraft Solar Arrays market shares of main players, shipments in revenue (\$ Million), sales quantity (Sq m), and ASP (US\$/Sq m), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Spacecraft Solar Arrays

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Spacecraft Solar Arrays market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Spectrolab (Boeing), Endurosat, DHV Technology, Sparkwing (Airbus), AAC Clyde Space, Redwire Space, NPC Spacemind, SpaceTech, Rocket Lab, SolarSpace, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Spacecraft Solar Arrays market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Rigid Solar Arrays

Semi-rigid Solar Arrays

Flexible Solar Arrays

### Market segment by Application

Government and Defense

Commercial

### Major players covered

Spectrolab (Boeing)

Endurosat

DHV Technology

Sparkwing (Airbus)

AAC Clyde Space

Redwire Space

NPC Spacemind

SpaceTech

Rocket Lab

SolarSpace

Northrop Grumman

CESI

AZUR SPACE

Lockheed Martin

Pumpkin Space Systems

Voir Tech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Spacecraft Solar Arrays product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Spacecraft Solar Arrays, with price, sales quantity, revenue, and global market share of Spacecraft Solar Arrays from 2020 to 2025.

Chapter 3, the Spacecraft Solar Arrays competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Spacecraft Solar Arrays breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Spacecraft Solar Arrays market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Spacecraft Solar Arrays.

Chapter 14 and 15, to describe Spacecraft Solar Arrays sales channel, distributors, customers, research findings and conclusion.

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