

Solar-Powered UAVS Market - 2022-2030

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Abstracts

The Solar-Powered UAVS Market was valued at US\$ 1.01 million in 2022 and is anticipated to reach US\$ 2.9 million by 2030, at a CAGR of 0.143 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Solar-Powered UAVS Market.

This report delivers a comprehensive overview of the Solar-Powered UAVS Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Solar-Powered UAVS Market. The Solar-Powered UAVS Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2022–2030.

Solar-Powered UAVS Market Scope:

By Type

Fixed-Wing Solar (UAVs)

Rotorcraft UAV

Umbrella UAV

By Range

Up to 300 KM

Above 300 KM

By Component

Propulsion System

Airframe

Guidance Navigation

Control System

Payload

By Mode of Operation

Semi-Autonomous

Autonomous

By Application

Commercial

Defense & Military

Key Players

AeroVironment, Inc.

Sunbirds

Sunlight Photonics Inc.

Bye Aerospace

Silent Falcon UAS Technologies

Alta Devices

Quaternium Technologies

Atlantik Solar

SunPower Corporation

Solar Ship Inc. LIST NOT EXHAUSTIVE

Major Highlights

This report delivers a comprehensive overview of the Solar-Powered UAVS Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Solar-Powered UAVS Market. The Solar-Powered UAVS Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2022–2030.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

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

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

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Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

Contents

1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Objective and Scope of the Report

2. DEFINITION AND OVERVIEW

3. EXECUTIVE SUMMARY

- 3.1. Snippet by Type
- 3.2. Snippet by Range
- 3.3. Snippet by Component
- 3.4. Snippet by Mode of Operation
- 3.5. Snippet by Application
- 3.6. Snippet by Region

4. DYNAMICS

- 4.1. Impacting Factors
 - 4.1.1. Drivers
 - 4.1.1.1. Increased Demand From Applications, Both Commercial And Non-Commercial
 - 4.1.1.2. Increasing Innovations in UAV Technology
 - 4.1.1.3. Growing Consumer Demand For Drone Services
 - 4.1.2. Restraints
 - 4.1.2.1. Expensive Integration of Technology & Low Operational Efficiency
 - 4.1.2.2. Cybersecurity Issues Associated With Drones Is Impeding Market Expansion
 - 4.1.3. Opportunity
 - 4.1.4. Impact Analysis

5. INDUSTRY ANALYSIS

- 5.1. Porter's Five Force Analysis
- 5.2. Supply Chain Analysis
- 5.3. Pricing Analysis
- 5.4. Regulatory Analysis

6. COVID-19 ANALYSIS

6.1. Analysis of COVID-19

6.1.1. Scenario Before COVID

6.1.2. Scenario During COVID

6.1.3. Scenario Post COVID

6.2. Pricing Dynamics Amid COVID-19

6.3. Demand-Supply Spectrum

6.4. Government Initiatives Related to the Market During Pandemic

6.5. Manufacturers Strategic Initiatives

6.6. Conclusion

7. BY TYPE

7.1. Introduction

7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Typ

7.1.2. Market Attractiveness Index, By Type

7.2. Fixed-Wing Solar (UAVs)*

7.2.1. Introduction

7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

7.3. Rotorcraft UAV

7.4. Umbrella UAV

8. BY RANGE

8.1. Introduction

8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Range

8.1.2. Market Attractiveness Index, By Range

8.2. Up to 300 KM*

8.2.1. Introduction

8.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

8.3. Above 300 KM

9. BY COMPONENT

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

9.1.2. Market Attractiveness Index, By Component

9.2. Propulsion System*

- 9.2.1. Introduction
- 9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 9.3. Airframe
- 9.4. Guidance Navigation
- 9.5. Control System
- 9.6. Payload

10. BY MODE OF OPERATION

- 10.1. Introduction
 - 10.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Mode of Operation
 - 10.1.2. Market Attractiveness Index, By Mode of Operation
- 10.2. Semi-Autonomous*
 - 10.2.1. Introduction
 - 10.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 10.3. Autonomous

11. BY APPLICATION

- 11.1. Introduction
 - 11.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
 - 11.1.2. Market Attractiveness Index, By Application
- 11.2. Commercial*
 - 11.2.1. Introduction
 - 11.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 11.3. Defense & Military

12. BY REGION

- 12.1. Introduction
- 12.2. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region
- 12.3. Market Attractiveness Index, By Region
- 12.4. North America
 - 12.4.1. Introduction
 - 12.4.2. Key Region-Specific Dynamics
 - 12.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Type
 - 12.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Range
 - 12.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component
 - 12.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Mode of Operation

12.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.4.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.4.8.1. U.S.

12.4.8.2. Canada

12.4.8.3. Mexico

12.5. Europe

12.5.1. Introduction

12.5.2. Key Region-Specific Dynamics

12.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Type

12.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Range

12.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Mode of Operation

12.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.5.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.5.8.1. Germany

12.5.8.2. UK

12.5.8.3. France

12.5.8.4. Italy

12.5.8.5. Russia

12.5.8.6. Rest of Europe

12.6. South America

12.6.1. Introduction

12.6.2. Key Region-Specific Dynamics

12.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Type

12.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Range

12.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Mode of Operation

12.6.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.6.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.6.8.1. Brazil

12.6.8.2. Argentina

12.6.8.3. Rest of South America

12.7. Asia-Pacific

12.7.1. Introduction

12.7.2. Key Region-Specific Dynamics

12.7.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Type

12.7.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Range

12.7.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.7.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Mode of Operation

12.7.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.7.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.7.8.1. China

12.7.8.2. India

12.7.8.3. Japan

12.7.8.4. Australia

12.7.8.5. Rest of Asia-Pacific

12.8. Middle East and Africa

12.8.1. Introduction

12.8.2. Key Region-Specific Dynamics

12.8.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Type

12.8.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Range

12.8.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.8.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Mode of Operation

12.8.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

13. COMPETITIVE LANDSCAPE

13.1. Competitive Scenario

13.2. Market Positioning/Share Analysis

13.3. Mergers and Acquisitions Analysis

14. COMPANY PROFILES

14.1. AeroVironment, Inc.*

14.1.1. Company Overview

14.1.2. Product Portfolio and Description

14.1.3. Financial Overview

14.1.4. Key Developments

14.2. Sunbirds

14.3. Sunlight Photonics Inc.

14.4. Bye Aerospace

14.5. Silent Falcon UAS Technologies

14.6. Alta Devices

14.7. Quaternium Technologies

14.8. Atlantik Solar

14.9. SunPower Corporation

14.10. Solar Ship Inc.*LIST NOT EXHAUSTIVE

15. APPENDIX

15.1. About Us and Services

15.2. Contact Us

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