

Automotive Sunroof Market Forecasts to 2034 – Global Analysis By Product Type (Pop-up Sunroof, Spoiler Sunroof, Inbuilt (Sliding) Sunroof, Panoramic Sunroof, Top-Mounted Sunroof, Folding Sunroof, and Solar Sunroof), Material Type, Glass Tint Type, Distribution Mechanism, Propulsion Type, Operation Type and By Geography

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Abstracts

According to Statistics MRC, the Global Automotive Sunroof Market is accounted for \$12.7 billion in 2026 and is expected to reach \$20.3 billion by 2034, growing at a CAGR of 6.0% during the forecast period. An automotive sunroof is an opening panel in a vehicle's roof that allows natural light and fresh air to enter the cabin, enhancing the overall driving experience and passenger comfort. Modern sunroof systems come in various configurations including pop-up, spoiler, inbuilt, panoramic, top-mounted, folding, and solar types. They incorporate advanced materials such as tempered and laminated glass, polycarbonate, and fabric with features like tinting, electrochromic smart glass, and UV protection.

Market Dynamics:

Driver:

Increasing consumer demand for premium and luxury features

The growing consumer preference for premium comfort and aesthetic features serves as a primary catalyst for the automotive sunroof market. Modern vehicle buyers increasingly consider sunroofs and panoramic roofs as essential features that enhance

the driving experience and vehicle appeal. The trend toward vehicle customization and personalization is driving demand for advanced sunroof options across various vehicle segments. Additionally, the perception of sunroofs as status symbols and indicators of vehicle quality encourages adoption. As disposable incomes rise globally and consumers seek enhanced cabin experiences, the demand for sunroof-equipped vehicles continues to expand. This trend is particularly pronounced in emerging economies with growing middle-class populations.

Restraint:

High manufacturing and maintenance costs

The automotive sunroof market faces significant challenges from high manufacturing costs and expensive maintenance requirements that can limit adoption. Producing sunroof systems, particularly panoramic and solar variants, involves substantial investment in specialized materials, precision engineering, and complex assembly processes. Advanced features such as electrochromic glass, multi-panel configurations, and electric operation mechanisms further increase production costs. Additionally, maintenance and repair of sunroof systems can be costly due to the specialized components and labor required. Repairing leaks, motor failures, or glass damage often requires professional service, potentially deterring cost-conscious consumers and limiting aftermarket opportunities.

Opportunity:

Growth of electric vehicles and solar integration

The expanding electric vehicle market presents significant opportunities for automotive sunroof manufacturers. Electric vehicles benefit from weight reduction and aerodynamic optimization, driving innovation in lightweight sunroof materials and designs. Solar sunroofs offer unique value propositions for electric vehicles by capturing solar energy to power auxiliary systems or extend driving range through battery charging. The integration of solar cells into panoramic roofs creates new functional benefits beyond aesthetics and ventilation. As automakers develop next-generation electric vehicles, the demand for innovative sunroof solutions that combine lightweight construction, solar energy harvesting, and enhanced cabin comfort continues to grow.

Threat:

Safety concerns and regulatory compliance

The automotive sunroof market faces significant threats from safety concerns and stringent regulatory compliance requirements. Vehicle rollover incidents raise concerns about roof structural integrity and occupant protection, potentially affecting consumer confidence. Meeting rigorous safety standards such as FMVSS 216 (roof crush resistance) requires careful engineering and testing, adding to production costs. Additionally, glass breakage risks, fire safety concerns with solar cells, and potential injuries from improper operation or malfunctioning mechanisms require continuous safety improvements. These safety and regulatory requirements increase development costs and compliance burdens, potentially limiting market growth and innovation.

Covid-19 Impact:

The COVID-19 pandemic caused significant disruption to the automotive sunroof market through widespread production shutdowns, supply chain interruptions, and reduced vehicle demand globally. OEM orders decreased sharply as automakers halted production to manage inventory levels, particularly affecting premium vehicle segments. However, as vehicle production recovered, pent-up demand for vehicles with premium features, including sunroofs, supported market recovery. The emphasis on personal mobility during the pandemic increased vehicle ownership interest, benefiting sunroof-equipped vehicle sales. The market has shown strong recovery as automotive production normalizes globally and consumer preferences for enhanced cabin experiences continue to grow.

The panoramic sunroof segment is expected to be the largest during the forecast period

The panoramic sunroof segment is expected to account for the largest market share during the forecast period, driven by the growing consumer preference for expansive glass roofs that enhance cabin spaciousness and natural light. Panoramic sunroofs extend over both front and rear seating areas, creating a premium feeling of openness and connection with the environment. The increasing availability of panoramic roofs across mid-range and premium vehicle segments supports segment growth. Additionally, the integration of advanced features such as electrochromic dimming, UV protection, and solar panels enhances the value proposition of panoramic sunroofs. The aesthetic appeal and functional benefits continue to drive consumer demand for this segment.

The solar sunroof segment is expected to have the highest CAGR during the forecast

period

Over the forecast period, the solar sunroof segment is predicted to witness the highest growth rate, driven by increasing focus on sustainability and the growing adoption of electric vehicles that benefit from solar energy harvesting capabilities. Solar sunroofs incorporate photovoltaic cells that convert sunlight into electricity, powering auxiliary systems such as ventilation, infotainment, or charging vehicle batteries. The development of more efficient, lightweight, and flexible solar cells enhances system performance and vehicle integration possibilities. As environmental awareness grows and electric vehicle adoption expands, solar sunroofs offer sustainable solutions that improve vehicle efficiency while maintaining desired aesthetic appeal and cabin comfort.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, driven by the presence of major automotive manufacturing hubs in China, Japan, South Korea, and India, along with growing consumer demand for premium features. The region's rapidly expanding automotive industry and increasing vehicle ownership rates fuel demand for sunroof-equipped vehicles. Large domestic markets, especially in China and India, support economies of scale for sunroof manufacturers. Additionally, the growing middle class and rising disposable incomes enable consumers to afford vehicles with premium features such as panoramic and solar sunroofs, contributing to market expansion across the region.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is also anticipated to exhibit the highest CAGR, reinforcing its market leadership through continued industrial growth and rising consumer expectations for premium vehicle features. The growth is fueled by the expansion of vehicle production capacities and the establishment of new manufacturing facilities in countries such as China, India, and Thailand. As the region's vehicle fleet size increases, so does the demand for vehicles equipped with sunroofs and advanced cabin comfort features. The growing middle class and increasing preference for premium vehicle features drive adoption of panoramic and solar sunroof technologies across the region.

Key players in the market

Some of the key players in Automotive Sunroof Market include Webasto Group, Magna

International Inc., Inalfa Roof Systems Group B.V., Hyundai Mobis Co., Ltd., Yachiyo Industry Co., Ltd., Johnan Manufacturing Inc., Aisin Corporation, GAC Component Co., Ltd., Inteva Products LLC, Wuhu Mosentek Automobile Technology Co., Ltd., CIE Automotive S.A., Fuyao Glass Industry Group Co., Ltd., Shenzhen Aotu Automotive Technology Co., Ltd., Shanghai Mobitech Automotive Parts Co., Ltd., and Donghee Industrial Co., Ltd.

Key Developments:

In March 2025, Webasto Group introduced a new lightweight panoramic sunroof system designed specifically for electric vehicles. The system incorporates advanced composite materials and aerodynamic optimization to reduce weight while maintaining structural integrity and functionality, contributing to improved vehicle range.

In February 2025, Magna International announced a strategic partnership with a leading solar technology company to develop integrated solar sunroof solutions for next-generation electric vehicles. The collaboration focuses on maximizing solar energy harvesting efficiency while maintaining design flexibility and cabin comfort.

Product Types Covered:

Pop-up Sunroof

Spoiler Sunroof

Inbuilt (Sliding) Sunroof

Panoramic Sunroof

Top-Mounted Sunroof

Folding Sunroof

Solar Sunroof

Material Types Covered:

Glass

Fabric

Polycarbonate

Glass Tint Types Covered:

Clear Glass

Tinted Glass

Electrochromic (Smart) Glass

UV-Protective Glass

Distribution Mechanisms Covered:

Single Panel

Dual Panel

Multi-Panel

Propulsion Types Covered:

Internal Combustion Engine (ICE)

Battery Electric Vehicle (BEV)

Hybrid Electric Vehicle (HEV)

Plug-in Hybrid Electric Vehicle (PHEV)

Fuel Cell Electric Vehicle (FCEV)

Operation Types Covered:

Manual

Electric/Automatic

Semi-Automatic

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY PRODUCT TYPE

- 5.1 Pop-up Sunroof
- 5.2 Spoiler Sunroof
- 5.3 Inbuilt (Sliding) Sunroof
- 5.4 Panoramic Sunroof
- 5.5 Top-Mounted Sunroof
- 5.6 Folding Sunroof
- 5.7 Solar Sunroof

6 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY MATERIAL TYPE

- 6.1 Glass
 - 6.1.1 Tempered Glass
 - 6.1.2 Laminated Glass
- 6.2 Fabric
- 6.3 Polycarbonate

7 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY GLASS TINT TYPE

- 7.1 Clear Glass
- 7.2 Tinted Glass
- 7.3 Electrochromic (Smart) Glass
- 7.4 UV-Protective Glass

8 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY DISTRIBUTION MECHANISM

- 8.1 Single Panel
- 8.2 Dual Panel
- 8.3 Multi-Panel

9 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY PROPULSION TYPE

- 9.1 Internal Combustion Engine (ICE)
- 9.2 Battery Electric Vehicle (BEV)

9.3 Hybrid Electric Vehicle (HEV)

9.4 Plug-in Hybrid Electric Vehicle (PHEV)

9.5 Fuel Cell Electric Vehicle (FCEV)

10 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY OPERATION TYPE

10.1 Manual

10.2 Electric/Automatic

10.3 Semi-Automatic

11 GLOBAL AUTOMOTIVE SUNROOF MARKET, BY GEOGRAPHY

11.1 North America

11.1.1 United States

11.1.2 Canada

11.1.3 Mexico

11.2 Europe

11.2.1 United Kingdom

11.2.2 Germany

11.2.3 France

11.2.4 Italy

11.2.5 Spain

11.2.6 Netherlands

11.2.7 Belgium

11.2.8 Sweden

11.2.9 Switzerland

11.2.10 Poland

11.2.11 Rest of Europe

11.3 Asia Pacific

11.3.1 China

11.3.2 Japan

11.3.3 India

11.3.4 South Korea

11.3.5 Australia

11.3.6 Indonesia

11.3.7 Thailand

11.3.8 Malaysia

11.3.9 Singapore

11.3.10 Vietnam

- 11.3.11 Rest of Asia Pacific
- 11.4 South America
 - 11.4.1 Brazil
 - 11.4.2 Argentina
 - 11.4.3 Colombia
 - 11.4.4 Chile
 - 11.4.5 Peru
 - 11.4.6 Rest of South America
- 11.5 Rest of the World (RoW)
 - 11.5.1 Middle East
 - 11.5.1.1 Saudi Arabia
 - 11.5.1.2 United Arab Emirates
 - 11.5.1.3 Qatar
 - 11.5.1.4 Israel
 - 11.5.1.5 Rest of Middle East
 - 11.5.2 Africa
 - 11.5.2.1 South Africa
 - 11.5.2.2 Egypt
 - 11.5.2.3 Morocco
 - 11.5.2.4 Rest of Africa

12 STRATEGIC MARKET INTELLIGENCE

- 12.1 Industry Value Network and Supply Chain Assessment
- 12.2 White-Space and Opportunity Mapping
- 12.3 Product Evolution and Market Life Cycle Analysis
- 12.4 Channel, Distributor, and Go-to-Market Assessment

13 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 13.1 Mergers and Acquisitions
- 13.2 Partnerships, Alliances, and Joint Ventures
- 13.3 New Product Launches and Certifications
- 13.4 Capacity Expansion and Investments
- 13.5 Other Strategic Initiatives

14 COMPANY PROFILES

- 14.1 Webasto Group

- 14.2 Magna International Inc.
- 14.3 Inalfa Roof Systems Group B.V.
- 14.4 Hyundai Mobis Co., Ltd.
- 14.5 Yachiyo Industry Co., Ltd.
- 14.6 Johnan Manufacturing Inc.
- 14.7 Aisin Corporation
- 14.8 GAC Component Co., Ltd.
- 14.9 Inteva Products, LLC
- 14.10 Wuhu Mosentek Automobile Technology Co., Ltd.
- 14.11 CIE Automotive S.A.
- 14.12 Fuyao Glass Industry Group Co., Ltd.
- 14.13 Shenzhen Aotu Automotive Technology Co., Ltd.
- 14.14 Shanghai Mobitech Automotive Parts Co., Ltd.
- 14.15 Donghee Industrial Co., Ltd.

List Of Tables

LIST OF TABLES

Table 1 Global Automotive Sunroof Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Automotive Sunroof Market Outlook, By Product Type (2023-2034) (\$MN)

Table 3 Global Automotive Sunroof Market Outlook, By Pop-up Sunroof (2023-2034) (\$MN)

Table 4 Global Automotive Sunroof Market Outlook, By Spoiler Sunroof (2023-2034) (\$MN)

Table 5 Global Automotive Sunroof Market Outlook, By Inbuilt (Sliding) Sunroof (2023-2034) (\$MN)

Table 6 Global Automotive Sunroof Market Outlook, By Panoramic Sunroof (2023-2034) (\$MN)

Table 7 Global Automotive Sunroof Market Outlook, By Top-Mounted Sunroof (2023-2034) (\$MN)

Table 8 Global Automotive Sunroof Market Outlook, By Folding Sunroof (2023-2034) (\$MN)

Table 9 Global Automotive Sunroof Market Outlook, By Solar Sunroof (2023-2034) (\$MN)

Table 10 Global Automotive Sunroof Market Outlook, By Material Type (2023-2034) (\$MN)

Table 11 Global Automotive Sunroof Market Outlook, By Glass (2023-2034) (\$MN)

Table 12 Global Automotive Sunroof Market Outlook, By Tempered Glass (2023-2034) (\$MN)

Table 13 Global Automotive Sunroof Market Outlook, By Laminated Glass (2023-2034) (\$MN)

Table 14 Global Automotive Sunroof Market Outlook, By Fabric (2023-2034) (\$MN)

Table 15 Global Automotive Sunroof Market Outlook, By Polycarbonate (2023-2034) (\$MN)

Table 16 Global Automotive Sunroof Market Outlook, By Glass Tint Type (2023-2034) (\$MN)

Table 17 Global Automotive Sunroof Market Outlook, By Clear Glass (2023-2034) (\$MN)

Table 18 Global Automotive Sunroof Market Outlook, By Tinted Glass (2023-2034) (\$MN)

Table 19 Global Automotive Sunroof Market Outlook, By Electrochromic (Smart) Glass (2023-2034) (\$MN)

Table 20 Global Automotive Sunroof Market Outlook, By UV-Protective Glass (2023-2034) (\$MN)

Table 21 Global Automotive Sunroof Market Outlook, By Distribution Mechanism (2023-2034) (\$MN)

Table 22 Global Automotive Sunroof Market Outlook, By Single Panel (2023-2034) (\$MN)

Table 23 Global Automotive Sunroof Market Outlook, By Dual Panel (2023-2034) (\$MN)

Table 24 Global Automotive Sunroof Market Outlook, By Multi-Panel (2023-2034) (\$MN)

Table 25 Global Automotive Sunroof Market Outlook, By Propulsion Type (2023-2034) (\$MN)

Table 26 Global Automotive Sunroof Market Outlook, By Internal Combustion Engine (ICE) (2023-2034) (\$MN)

Table 27 Global Automotive Sunroof Market Outlook, By Battery Electric Vehicle (BEV) (2023-2034) (\$MN)

Table 28 Global Automotive Sunroof Market Outlook, By Hybrid Electric Vehicle (HEV) (2023-2034) (\$MN)

Table 29 Global Automotive Sunroof Market Outlook, By Plug-in Hybrid Electric Vehicle (PHEV) (2023-2034) (\$MN)

Table 30 Global Automotive Sunroof Market Outlook, By Fuel Cell Electric Vehicle (FCEV) (2023-2034) (\$MN)

Table 31 Global Automotive Sunroof Market Outlook, By Operation Type (2023-2034) (\$MN)

Table 32 Global Automotive Sunroof Market Outlook, By Manual (2023-2034) (\$MN)

Table 33 Global Automotive Sunroof Market Outlook, By Electric/Automatic (2023-2034) (\$MN)

Table 34 Global Automotive Sunroof Market Outlook, By Semi-Automatic (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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