

Metal Carports Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Type of Structure (Single Car Carports, Double Car Carports, Triple Car Carports, Custom Sized Carports), By Material Type (Steel, Aluminum, Galvanized), By Design (Open, Enclosed, Portable, Permanent), By Region, By Competition, 2020-2030F

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Abstracts

Market Overview

The Metal Carports Market was valued at USD 40.88 Billion in 2024 and is projected to reach USD 74.56 Billion by 2030, growing at a CAGR of 10.37%. This global market involves the production, sale, and installation of carport structures primarily composed of metal—most commonly steel and aluminum. Designed to shield vehicles and equipment from environmental elements like rain, snow, hail, and UV exposure, metal carports are widely used across residential, commercial, agricultural, and industrial sectors. These structures are favored for their strength, cost-efficiency, and quick assembly relative to traditional garages. The market is witnessing significant traction due to rising demand for affordable vehicle protection, increasing weather unpredictability linked to climate change, and the growing preference for modular and low-maintenance shelter solutions. Technological advances in prefabrication, customization, and online configurators are enhancing consumer accessibility, while declining raw material prices and the popularity of DIY installations are boosting adoption, especially in cost-conscious and rural markets.

Key Market Drivers

Rising Demand for Vehicle Protection in Response to Climate Change and Extreme Weather

The increasing frequency and severity of weather events—such as hail, snow, high winds, and prolonged sun exposure—are driving demand for protective vehicle shelters. Metal carports, particularly those made from steel and aluminum, offer enhanced durability, making them ideal solutions in climate-sensitive regions. As consumers seek affordable alternatives to garages, metal carports provide a cost-effective, durable option that can withstand harsh conditions. In the U.S., data from NOAA indicates a rising incidence of storm-related vehicle damage, further encouraging both residential and commercial users to invest in metal shelters. The affordability of these structures is bolstered by falling steel prices and the proliferation of DIY-friendly kits, making them accessible to a wide range of buyers. This convergence of environmental urgency and economic practicality is a major factor fueling growth across the metal carport segment.

Key Market Challenges

Fluctuating Raw Material Prices and Supply Chain Disruptions

Volatile prices for core raw materials—primarily steel and aluminum—pose significant challenges for the metal carports market. These metals are influenced by global economic conditions, trade regulations, geopolitical conflicts, and mining output. Steel, in particular, has seen sharp pricing shifts driven by events such as the Russia-Ukraine conflict and changing environmental policies in large manufacturing countries. Such volatility hampers pricing consistency for manufacturers and complicates contract negotiations with buyers. Compounding this, global supply chain disruptions—exacerbated by the COVID-19 pandemic—have led to material shortages, shipping delays, and increased freight costs. Smaller manufacturers relying on just-in-time inventory or imports are especially vulnerable, often forced to pass increased costs to consumers or absorb losses, thereby affecting competitiveness and customer satisfaction. Labor shortages in key sectors also contribute to delays and operational inefficiencies across the value chain.

Key Market Trends

Rising Demand for Customizable and Prefabricated Metal Carports

The market is witnessing a strong shift toward customizable and prefabricated metal carports, driven by consumer demand for functional, flexible, and easily installed shelter

solutions. Homeowners, businesses, and agricultural users increasingly seek carports tailored to their specific size, design, and usage requirements. Options for customization now include roof style, enclosure level, color, structural anchoring, and materials. Technological advancements—such as CAD design software and online visualization tools—are enhancing the customization process and customer engagement. The growing popularity of prefabricated structures aligns with trends in DIY home improvement and the need for quick, cost-effective building installations. These carports offer reduced on-site labor, shorter construction timelines, and higher quality control standards. Additionally, rising climate concerns are reinforcing consumer interest in vehicle protection, particularly in regions susceptible to extreme weather. Prefabricated metal carports are also gaining traction among contractors and fleet operators for their modularity and scalability.

Key Market Players

Eagle Carports, Inc.

Carport1, LLC

The Carport Company, LLC

Viking Steel Structures, LLC

Metal Carports Direct, LLC

Quality Carports, LLC

Bulldog Steel Structures, LLC

Metal Carports USA, LLC

American Made Carports, LLC

Titan Steel Buildings, Inc.

Report Scope:

In this report, the Global Metal Carports Market has been segmented into the following

Metal Carports Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Type of S...

categories, in addition to the industry trends which have also been detailed below:

Metal Carports Market, By Type of Structure:

Single Car Carports

Double Car Carports

Triple Car Carports

Custom Sized Carports

Metal Carports Market, By Material Type:

Steel

Aluminum

Galvanized

Metal Carports Market, By Design:

Open

Enclosed

Portable

Permanent

Metal Carports Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Metal Carports Market.

Available Customizations:

Global Metal Carports Market report with the given Market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional Market players (up to five).

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