

Global Valve Regulated Lead Acid Batteries (VRLA battery) 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 Valve Regulated Lead Acid Batteries (VRLA battery) market size was valued at US\$ 51100 million in 2024 and is forecast to a readjusted size of USD 65510 million by 2031 with a CAGR of 3.4% during review period.

Valve Regulated Lead Acid Batteries (VRLA battery) is a sealed, maintenance-free lead-acid battery that uses a valve-regulated system to control internal gas pressure. These batteries are designed to prevent leakage and require minimal maintenance, making them suitable for backup power applications, UPS systems, telecom, and renewable energy storage.

With the advancement of technology and changes in market demand, VRLA battery manufacturers are facing new challenges and opportunities. In order to maintain market competitiveness, companies need to continue to innovate in improving battery performance, reducing costs and meeting environmental protection requirements.

Valve-regulated lead-acid (VRLA) batteries occupy an important position in the global market and are widely used in uninterruptible power supply (UPS) systems, communication facilities and energy storage.

China is not only a major producer of VRLA batteries, but also an important consumer market. Domestic companies such as Hangzhou Nandu Power Technology Co., Ltd. are actively expanding production capacity to meet market demand.

As the country with the largest number of data centers in the world, the United States

has a huge demand for VRLA batteries, mainly used for backup power supplies for data centers and communication base stations.

The demand for VRLA batteries in European countries is mainly concentrated in the fields of communications and renewable energy storage, and the market demand is growing steadily.

This report is a detailed and comprehensive analysis for global Valve Regulated Lead Acid Batteries (VRLA battery) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Battery Capacity 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 Valve Regulated Lead Acid Batteries (VRLA battery) market size and forecasts, in consumption value (\$ Million), sales quantity (K KVAh), and average selling prices (US\$/KVAh), 2020-2031

Global Valve Regulated Lead Acid Batteries (VRLA battery) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K KVAh), and average selling prices (US\$/KVAh), 2020-2031

Global Valve Regulated Lead Acid Batteries (VRLA battery) market size and forecasts, by Battery Capacity and by Application, in consumption value (\$ Million), sales quantity (K KVAh), and average selling prices (US\$/KVAh), 2020-2031

Global Valve Regulated Lead Acid Batteries (VRLA battery) market shares of main players, shipments in revenue (\$ Million), sales quantity (K KVAh), and ASP (US\$/KVAh), 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 Valve Regulated Lead Acid Batteries (VRLA battery)
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 Valve Regulated Lead Acid Batteries (VRLA battery) 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 Clarios, Exide Technologies, CSB Energy Technology, GS Yuasa, EnerSys, East Penn Manufacturing, Fiamm, Sebang, Hankook AtlasBX, Amara Raja, etc.

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

Market Segmentation

Valve Regulated Lead Acid Batteries (VRLA battery) market is split by Battery Capacity and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Battery Capacity, 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 Battery Capacity

AGM VRLA Battery

GEL VRLA Battery

Market segment by Application

Automotive Start Stop Battery

Motorcycles and Electric Bikes

Forklifts and Other Vehicles

Communication Industry

UPS

Others

Major players covered

Clarios

Exide Technologies

CSB Energy Technology

GS Yuasa

EnerSys

East Penn Manufacturing

Fiamm

Sebang

Hankook AtlasBX

Amara Raja

C&D Technologies

Midac Batteries

ACDelco

Banner batteries

First National Battery

Chilwee

Tianneng Holding Group

Shuangdeng Group (Shoto)

Camel Group

Fengfan

Leoch

Narada Power

Sacred Sun Power Sources

Coslight Technology

Exide Industries

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 Valve Regulated Lead Acid Batteries (VRLA battery) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Valve Regulated Lead Acid Batteries (VRLA battery), with price, sales quantity, revenue, and global market share of Valve Regulated Lead Acid Batteries (VRLA battery) from 2020 to 2025.

Chapter 3, the Valve Regulated Lead Acid Batteries (VRLA battery) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Valve Regulated Lead Acid Batteries (VRLA battery) 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 Battery Capacity and by Application, with sales market share and growth rate by Battery Capacity, 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 Valve Regulated Lead Acid Batteries (VRLA battery) market forecast, by regions, by Battery Capacity, 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 Valve Regulated Lead Acid Batteries (VRLA battery).

Chapter 14 and 15, to describe Valve Regulated Lead Acid Batteries (VRLA battery) sales channel, distributors, customers, research findings and conclusion.

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