

Global Wall-Mounted DC Energy Meter Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Wall-Mounted DC Energy Meter market size is expected to reach \$ 537 million by 2032, rising at a market growth of 8.0% CAGR during the forecast period (2026-2032).

Wall-mounted DC energy meter is an energy meter specially used to measure the consumption or production of DC energy (such as solar power generation systems, DC charging piles, energy storage systems, etc.). Its design is usually suitable for wall installation. Compared with traditional AC energy meters, wall-mounted DC energy meters can directly measure DC current and voltage to calculate the use of DC energy.

2025, global Wall-Mounted DC Energy Meter sales volume reached 1.5 million units, with average price of 210 US\$ per unit.

Wall-mounted DC energy meters are increasingly being adopted in large-scale DC power systems. Compared with compact DIN-rail products, wall-mounted DC energy meters are gaining popularity in EV charging stations, battery energy storage systems, photovoltaic installations, data centers, and industrial DC distribution networks because they offer higher current capacity, enhanced display functionality, and easier integration into dedicated monitoring panels. Their robust construction and scalability make them particularly suitable for commercial and industrial projects that require centralized energy monitoring and long-term operational reliability.

The market is shifting toward intelligent monitoring and connectivity. Modern wall-mounted DC energy meters are evolving from simple measurement devices into smart energy-management nodes. End users increasingly require real-time monitoring, remote diagnostics, cloud connectivity, data logging, predictive maintenance, and

integration with energy management systems. As DC infrastructure expands in EV charging, renewable energy, microgrids, and data center applications, demand is rising for meters that support advanced communication protocols and seamless integration with digital energy platforms.

Energy transition applications are driving higher-performance product requirements. The rapid growth of EV charging infrastructure, solar PV systems, battery storage, and DC-powered facilities is increasing the need for highly accurate, reliable, and certified DC metering solutions. Customers are demanding wider voltage ranges, higher current measurement capability, improved thermal performance, stronger electromagnetic interference resistance, and enhanced billing accuracy. At the same time, manufacturers are developing more compact, intelligent, and application-specific wall-mounted meters to meet the requirements of modern DC energy systems.

This report studies the global Wall-Mounted DC Energy Meter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Wall-Mounted DC Energy Meter and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Wall-Mounted DC Energy Meter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Wall-Mounted DC Energy Meter total production and demand, 2021-2032, (K Units)

Global Wall-Mounted DC Energy Meter total production value, 2021-2032, (USD Million)

Global Wall-Mounted DC Energy Meter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Wall-Mounted DC Energy Meter consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Wall-Mounted DC Energy Meter domestic production, consumption, key domestic manufacturers and share

Global Wall-Mounted DC Energy Meter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Wall-Mounted DC Energy Meter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Wall-Mounted DC Energy Meter production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Wall-Mounted DC Energy Meter market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Accuenergy, LEM, DZG Metering, Phoenix Contact, Isabellenhutte, Eaton, ICD, ACREL, Carlo Gavazzi, Ziegler, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Wall-Mounted DC Energy Meter market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Wall-Mounted DC Energy Meter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Wall-Mounted DC Energy Meter Market, Segmentation by Type:

Under 100 kW

100?200 kW

Above 200 kW

Global Wall-Mounted DC Energy Meter Market, Segmentation by Product:

Common DC Energy Meters

Smart Communication DC Meters

Global Wall-Mounted DC Energy Meter Market, Segmentation by Class:

Class 0.2

Class 0.5

Class 1.0

Global Wall-Mounted DC Energy Meter Market, Segmentation by Application:

EV Chargers

Data Centers

Photovoltaic

Power & Grid

Others

Companies Profiled:

Accuenergy

LEM

DZG Metering

Phoenix Contact

Isabellenhutte

Eaton

ICD

ACREL

Carlo Gavazzi

Ziegler

Ivy Metering

SATEC

AST International

Eastron Electronic

Zhejiang Yongtailong Electronic

Zhuhai Pilot Technology

Chengdu Hop Technology

Linyang Energy

Key Questions Answered:

1. How big is the global Wall-Mounted DC Energy Meter market?

Global Wall-Mounted DC Energy Meter Supply, Demand and Key Producers, 2026-2032

2. What is the demand of the global Wall-Mounted DC Energy Meter market?
3. What is the year over year growth of the global Wall-Mounted DC Energy Meter market?
4. What is the production and production value of the global Wall-Mounted DC Energy Meter market?
5. Who are the key producers in the global Wall-Mounted DC Energy Meter market?
6. What are the growth factors driving the market demand?

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