

Global Single-Phase Electronic Carrier Energy Meter 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 Single-Phase Electronic Carrier Energy Meter market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The single-phase electronic carrier energy meter is an energy meter that uses power line carrier communication technology. It can transmit data through power lines to achieve remote meter reading and smart grid management functions. Unlike ordinary electronic energy meters, carrier energy meters do not require additional communication networks and can transmit energy consumption data through existing power lines, reducing the construction cost of the communication network.

This report is a detailed and comprehensive analysis for global Single-Phase Electronic Carrier Energy Meter market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type 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 Single-Phase Electronic Carrier Energy Meter market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single-Phase Electronic Carrier Energy Meter market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single-Phase Electronic Carrier Energy Meter market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single-Phase Electronic Carrier Energy Meter market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 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 Single-Phase Electronic Carrier Energy Meter
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 Single-Phase Electronic Carrier Energy Meter 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 Schneider, ORNO, Itron, Legrand Group, Dongfang Wisdom Electric, CLOU Electronics, Yongyang Technology, Xili Intelligent Technology, Hengye Electronics, Feiteng Electronic, etc.

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

Market Segmentation

Single-Phase Electronic Carrier Energy Meter market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, 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 Type

Normal

Multi-rate

Market segment by Application

Residential Buildings

Commercial Buildings

Industrial Buildings

Others

Major players covered

Schneider

ORNO

Itron

Legrand Group

Dongfang Wisdom Electric

CLOU Electronics

Yongyang Technology

Xili Intelligent Technology

Hengye Electronics

Feiteng Electronic

Kaou Instrument

Delixi Group

Zhonghe Electrical Power Instrument

Linyang Energy

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 Single-Phase Electronic Carrier Energy Meter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Single-Phase Electronic Carrier Energy Meter, with price, sales quantity, revenue, and global market share of Single-Phase Electronic Carrier Energy Meter from 2020 to 2025.

Chapter 3, the Single-Phase Electronic Carrier Energy Meter competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Single-Phase Electronic Carrier Energy Meter 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 Type and by Application, with sales market

share and growth rate by Type, 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 Single-Phase Electronic Carrier Energy Meter market forecast, by regions, by Type, 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 Single-Phase Electronic Carrier Energy Meter.

Chapter 14 and 15, to describe Single-Phase Electronic Carrier Energy Meter sales channel, distributors, customers, research findings and conclusion.

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