

Global Module Level Power Electronics (MLPE) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

Module Level Power Electronics (MLPE), is the collective term for AC microinverter and DC Power Optimiser solar systems. Direct current (DC) power optimizers and microinverters (together known as module-level power electronics, or MLPE) are one of the fastest growing market segments in the solar industry.

According to our (Global Info Research) latest study, the global Module Level Power Electronics (MLPE) market size was valued at US\$ 3459 million in 2023 and is forecast to a readjusted size of USD 8758 million by 2030 with a CAGR of 14.4% during review period.

Global Module Level Power Electronics (MLPE) key players include Solar Edge, Enphase, Tigo/SMA, APSystems, i-Energy Co.,Ltd., etc. Global top five manufacturers hold a share above 95%. North America is the largest market, with a share above 60%, followed by Europe, with a share about 25 percent. In terms of product, microinverter is the largest segment, with a share above 60%. And in terms of application, the largest application is Residential, with a share above 85%.

This report is a detailed and comprehensive analysis for global Module Level Power Electronics (MLPE) 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 2024, are provided.

Key Features:

Global Module Level Power Electronics (MLPE) market size and forecasts, in consumption value (\$ Million), sales quantity (M Watts), and average selling prices (USD/Watt), 2019-2030

Global Module Level Power Electronics (MLPE) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Watts), and average selling prices (USD/Watt), 2019-2030

Global Module Level Power Electronics (MLPE) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Watts), and average selling prices (USD/Watt), 2019-2030

Global Module Level Power Electronics (MLPE) market shares of main players, shipments in revenue (\$ Million), sales quantity (M Watts), and ASP (USD/Watt), 2019-2024

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 Module Level Power Electronics (MLPE)

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 Module Level Power Electronics (MLPE) 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 Solar Edge, Enphase, Tigo/SMA, APSystems, i-Energy, Lead Solar, Chilicon, BM Solar, Sparq, Hoymiles, etc.

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

Market Segmentation

Module Level Power Electronics (MLPE) market is split by Type and by Application. For the period 2019-2030, 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

Power Optimizer

Microinverter

Market segment by Application

Residential

Commercial

Major players covered

Solar Edge

Enphase

Tigo/SMA

APSystems

i-Energy

Lead Solar

Chilicon

BM Solar

Sparq

Hoymiles

Ningbo Deye

NEP

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 Module Level Power Electronics (MLPE) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Module Level Power Electronics (MLPE), with price, sales quantity, revenue, and global market share of Module Level Power Electronics (MLPE) from 2019 to 2024.

Chapter 3, the Module Level Power Electronics (MLPE) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Module Level Power Electronics (MLPE) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Module Level Power Electronics (MLPE) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Module Level Power Electronics (MLPE).

Chapter 14 and 15, to describe Module Level Power Electronics (MLPE) sales channel, distributors, customers, research findings and conclusion.

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