

# Global Virtual Power Plant (VPP) Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G5D9F6A15CC1EN.html>

Date: September 2023

Pages: 107

Price: US\$ 4,480.00 (Single User License)

ID: G5D9F6A15CC1EN

## Abstracts

The global Virtual Power Plant (VPP) market size is expected to reach \$ 3801.9 million by 2029, rising at a market growth of 23.1% CAGR during the forecast period (2023-2029).

Global core virtual power plant (VPP) manufacturers include Schneider Electric (AutoGrid), Siemens, Generac (Enbala), GE Digital Energy and ABB. The top 5 companies hold a share about 85%. Europe is the largest market, with a share over 50%, followed by Asia Pacific and North America with the share about 25% and 20%.

Based on the product type, the Virtual Power Plant (VPP) is primarily split into OC Model and FM Model. FM model is the largest segment, with a share over 50%.

Based on the Virtual Power Plant (VPP) application, the Virtual Power Plant (VPP) market is segmented into several major parts, like Commercial, Industrial and Residential. The largest application is commercial, followed by residential.

A virtual power plant (VPP) is a cloud-based distributed power plant that aggregates the capacities of heterogeneous distributed energy resources (DER) for the purposes of enhancing power generation, as well as trading or selling power on the electricity market.

A Virtual Power Plant (VPP) is an aggregated portfolio of Distributed Energy Resources and Controllable Loads into energy blocks which can be used to participate in Energy Markets and offer Services to the System Operator.

In this report, what is included in our statistics is the market size of virtual power plant

technology service providers.

This report studies the global Virtual Power Plant (VPP) demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Virtual Power Plant (VPP), and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Virtual Power Plant (VPP) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Virtual Power Plant (VPP) total market, 2018-2029, (USD Million)

Global Virtual Power Plant (VPP) total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Virtual Power Plant (VPP) total market, key domestic companies and share, (USD Million)

Global Virtual Power Plant (VPP) revenue by player and market share 2018-2023, (USD Million)

Global Virtual Power Plant (VPP) total market by Type, CAGR, 2018-2029, (USD Million)

Global Virtual Power Plant (VPP) total market by Application, CAGR, 2018-2029, (USD Million).

This reports profiles major players in the global Virtual Power Plant (VPP) market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Ørsted, Duke Energy, RWE, Generac (Enbala), Bosch, GE Digital Energy, Enel X, Schneider Electric?AutoGrid? and Siemens, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Virtual Power Plant (VPP) market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Virtual Power Plant (VPP) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Virtual Power Plant (VPP) Market, Segmentation by Type

OC Model

FM Model

Global Virtual Power Plant (VPP) Market, Segmentation by Application

Commercial

Industrial

Residential

### Companies Profiled:

Ørsted

Duke Energy

RWE

Generac (Enbala)

Bosch

GE Digital Energy

Enel X

Schneider Electric?AutoGrid?

Siemens

Viridity Energy

ABB

### Key Questions Answered

1. How big is the global Virtual Power Plant (VPP) market?
2. What is the demand of the global Virtual Power Plant (VPP) market?
3. What is the year over year growth of the global Virtual Power Plant (VPP) market?

4. What is the total value of the global Virtual Power Plant (VPP) market?
5. Who are the major players in the global Virtual Power Plant (VPP) market?
6. What are the growth factors driving the market demand?

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