

2018 Top 5 Smart PV Array Combiner Box Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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Abstracts

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In a large solar photovoltaic (PV) array, multiple solar modules are connected in series in a string to build the voltage up to proper levels for the inverter. Multiple strings of solar modules are then combined together in parallel to multiply the string output currents to higher levels for input into the inverter.

The smart PV combiner box is a device that combines the output of multiple strings of PV modules for connection to the inverter, support surge and overcurrent protection, and monitoring single-string current and voltage, surge protective device and breaker condition of PV array. It is typically used in the larger commercial and utility scale PV power plants (greater than 500kW).

PV combiner box is widely used in large-scale grid-connected PV system, in order to reduce the cable cost between PV modules and inverter, to make it easy to install and maintain and also to improve the reliability. Monitoring and maintaining the electrical connections can help insure a high reliability and long lasting field installation.

In PV smart solutions, the smart PV array combiner box product is a low concentration industry and almost sales as accessories for PV inventors. Smart PV combiner box belongs to niche product in PV power solution with a small market scale.

In 2016, major demand was accounted 40.09 % from China. Other major demand is expected from emerging markets of India, Americas and MEA.

Smart PV array combiner box demand is applied in residential, non-residential and utility. As of 2016, utility application of the smart PV array combiner box is the largest segment market with a market share of 75.96 percent.

Over the next five years, LPI(LP Information) projects that Smart PV Array Combiner Box will register a 11.0% CAGR in terms of revenue, reach US\$ 600 million by 2023, from US\$ 320 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

CFAT

XJ Group

Wuxi Longmax

Noark

Kingshore

Weidmuller

Schneider Electric

TOPBAND

Eaton

Jinting Solar

Kebite

TBEA

Huasheng Electric

EAST

Sungrow

FIBOX

Golden Highway

Surpass Sun Electric

Guanya Power

Temaheng Energy

Corona

Tongqu Electric

Ehe New Energy

Jingyi Renewable Energy

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

Asia-Pacific (China, Japan, Southeast Asia, India and Korea)

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

DC Smart PV Combiner Box

AC Smart PV Combiner Box

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Residential

Non-Residential

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