

Global and China Wind Power Converter Industry Report, 2014-2018

<https://marketpublishers.com/r/G78B2768ADAEN.html>

Date: February 2015

Pages: 96

Price: US\$ 2,200.00 (Single User License)

ID: G78B2768ADAEN

Abstracts

As one of key components of a wind generating set, the wind power converter accounts for 17.9% of costs of wind power equipment automation products. It can optimize the operation of wind power system, improve the efficiency of wind turbine, reduce power loss, and raise utilization of wind energy.

In 2014, the global installed wind power capacity increased by 47.3GW, up 33.9% from a year earlier. In particular, China contributed 17.7GW, a 9.6% rise year on year, ranking the world's first for five consecutive years.

Driven by the resumption of offshore wind power projects in August 2013 and the State's support for wind power industry, the output value of China's wind power converter industry amounted to RMB5.8 billion in 2014, up 11.5% from a year earlier. The demand was 10,727 sets, rising by 14.7%, year on year.

At present, the 1.5MW and 2MW wind power converters are widely used in the market, with the total demand for both accounting for more than 80%. In the future, as offshore wind power expands, the industry's R&D focus will be shifted to 5MW-10MW wind power converters.

Now that China's wind power industry started relatively late, the domestic wind power converter market was monopolized by the foreign players like ABB, Emerson, and Siemens. In contrast, the Chinese enterprises such as Sungrow Power Supply, Hi-Tech Control, Zhuzhou CSR Times Electric occupied a mere 5% market share.

ABB: In 2014, the company released a new air cooled doubly-fed wind power converter, targeting China's onshore and offshore utility-scale wind turbines, with the power range

of 1.5MW-2.2MW.

Emerson: In October 2014, WinTrust series 2MW doubly-fed wind power converter (air cooled) products won the bid for the Yunnan Huadian's Daheishan Project; in January 2015, WinTrust series 2MW doubly-fed wind power converter (water cooled) products won the tender for Huadian Anhui's Wuwei Project.

Sungrow Power Supply: in early 2014, the company completed a 600,000 kw/a wind power converter technological transformation project, including a 400,000 kw/a full-power wind power converter capacity and 200,000 kw/a doubly-fed wind power converter; in October 2014, the company launched a full-power wind power converter for the 7.5MW offshore wind power turbine unit.

Hi-Tech Control: In recent years, the company has aggressively developed wind power converters. In 2014, it developed 5.5MW WINGREEN high-voltage high-power offshore wind power converter; in 2015, it will develop 3.0MW full power (liquid cooled) wind power converter.

Global and China Wind Power Converter Industry Report, 2014-2018 by ResearchInChina is primarily concerned with the following:

Status quo and competitive landscape, etc. of global wind power converter market;

Development environment, market size, competitive landscape, etc. of China's wind power converter industry;

Market size and competition pattern, etc. of IGBT and relay, etc. in China and the World;

Market size, market structure, imports and exports, competition pattern, etc. of installed wind power in China and the World;

Operation and revenue structure of 8 foreign wind power converter manufacturers and their layout in China;

Operation, revenue structure, competitive edges, etc. of 16 Chinese wind power converter manufacturers.

Contents

1 OVERVIEW OF WIND POWER CONVERTER

- 1.1 Definition
- 1.2 Classification and Application
- 1.3 Process Flow
- 1.4 Development Trend

2 GLOBAL WIND POWER CONVERTER INDUSTRY

- 2.1 Current Market
- 2.2 Competition Pattern

3 CHINA WIND POWER CONVERTER INDUSTRY

- 3.1 Development Environment
 - 3.1.1 Industrial Environment
 - 3.1.2 Policy Climate
- 3.2 Market Size
 - 3.2.1 Output Value
 - 3.2.2 Demand
- 3.3 Competition Pattern

4 RAW MATERIALS MARKET

- 4.1 Composition of Raw Materials
- 4.2 IGBT
 - 4.2.1 Market Size
 - 4.2.2 Competition Pattern
- 4.3 Relay
 - 4.3.1 Market Size
 - 4.3.2 Market Structure
 - 4.3.2.1 Automotive Relay
 - 4.3.2.2 Power Relay
 - 4.3.3 Competition Pattern

5 WIND POWER INSTALLATION MARKET

5.1 Installed Capacity of Wind Power

5.1.1 Global

5.1.2 China

5.2 Market Structure

5.3 Import and Export

5.3.1 Import

5.3.2 Export

5.4 Competition Pattern

6 WORLD' MAJOR WINDPOWER CONVERTER COMPANIES

6.1 ABB

6.1.1 Profile

6.1.2 Operation

6.1.3 Revenue Structure

6.1.4 Business in China

6.2 AMSC

6.2.1 Profile

6.2.2 Operation

6.2.3 Revenue Structure

6.2.4 Business In China

6.3 Siemens

6.3.1 Profile

6.3.2 Operation

6.3.3 Revenue Structure

6.3.4 Business in China

6.4 Emerson

6.4.1 Profile

6.4.2 Operation

6.4.3 Revenue Structure

6.4.4 Business in China

6.5 Vacon

6.5.1 Profile

6.5.2 Operation

6.5.3 Revenue Structure

6.5.4 Business in China

6.6 Schneider

6.6.1 Profile

6.6.2 Operation

- 6.6.3 Revenue Structure
- 6.6.4 Business in China
- 6.7 GE Power Conversion
 - 6.7.1 Profile
 - 6.7.2 Windpower Converter Business
 - 6.7.3 Business in China
- 6.8 The Switch

7 KEY CHINESE WINDPOWER CONVERTER ENTERPRISES

- 7.1 Sungrow Power Supply Co., Ltd.
 - 7.1.1 Profile
 - 7.1.2 Operation
 - 7.1.3 Revenue Structure
 - 7.1.4 Gross Margin
 - 7.1.5 Windpower Converter Business
- 7.2 Harbin Jiuzhou Electrical Co., Ltd.
 - 7.2.1 Profile
 - 7.2.2 Operation
 - 7.2.3 Revenue Structure
 - 7.2.4 Gross Margin
 - 7.2.5 Windpower Converter Business
- 7.3 Rongxin Power Electronic Co., Ltd.
 - 7.3.1 Profile
 - 7.3.2 Operation
 - 7.3.3 Revenue Structure
 - 7.3.4 Gross Margin
 - 7.3.5 Windpower Converter Business
- 7.4 China Longyuan Power Group Co., Ltd.
 - 7.4.1 Profile
 - 7.4.2 Operation
 - 7.4.3 Revenue Structure
 - 7.4.4 Gross Margin
 - 7.4.5 Windpower Converter Business
- 7.5 Shanghai Hi-tech Control System Co., Ltd.
 - 7.5.1 Profile
 - 7.5.2 Operation
 - 7.5.3 Revenue Structure
 - 7.5.4 Gross Margin

- 7.5.5 Windpower Converter Business
- 7.6 Zhuzhou CSR Times Electric Co., Ltd.
 - 7.6.1 Profile
 - 7.6.2 Operation
 - 7.6.3 Revenue Structure
 - 7.6.4 Gross Margin
 - 7.6.5 Windpower Converter Business
- 7.7 Shenzhen Clou Electronics Co., Ltd.
 - 7.7.1 Profile
 - 7.7.2 Operation
 - 7.7.3 Revenue Structure
 - 7.7.4 Gross Margin
 - 7.7.5 Windpower Converter Business
- 7.8 Shenzhen Hopewind Electric Co., Ltd.
 - 7.8.1 Profile
 - 7.8.2 Windpower Converter Business
- 7.9 Corona
 - 7.9.1 Profile
 - 7.9.2 Windpower Converter Business
- 7.10 Others
 - 7.10.1 Beijing Qingneng Harvest Wind Power Technology
 - 7.10.2 Daqo Group
 - 7.10.3 Beijing Nego Automation Technology
 - 7.10.4 Xuji Group Corporation
 - 7.10.5 Shandong Xinfengguang Electronic Technology Development
 - 7.10.6 Dongfang Hitachi
 - 7.10.7 HRV Electric

8 SUMMARY AND FORECAST

- 8.1 Market
- 8.2 Enterprise

Selected Charts

SELECTED CHARTS

Application of Wind Power Converter
Schematic Diagram of Double-fed Wind Power Converter Applied
Schematic Diagram of Full-power Wind Power Converter Applied
Process Flow of Wind Power Converter
Cost Structure of Automated Products of Wind Power Generation Equipment
Global Wind Power Converter Market Capacity, 2008-2018E
Leading Overseas Producers of Wind Power Converter
Supply System of World's Major Windpower Converter Manufacturers
Power Generation Structure (by Type) in China, 2014
Distribution of China's Wind Power Projects, 2015
Distribution of Effective Wind Power Density in China
Laws & Regulations and Policies on Wind Power Converter in China, 2006-2014
Output Value of China Wind Power Converter Industry, 2008-2018E
Demand for Wind Power Converter in China, 2006-2018E
Structure of the Demand for Wind Power Converter (by Type) in China, 2013
China Wind Power Converter Market Share, 2013
Capacities of Leading Windpower Converter Manufacturers in China, 2014
Key Raw Materials for Wind Power Converter
Cost Structure of Wind Power Converter, 2013
Global IGBT Market Size, 2008-2018E
Global IGBT Application Structure, 2011-2018E
Application of Various Power Components
Influential IGBT Manufacturers in China
Global Relay Market Size and Growth Rate, 2006-2016E
China Relay Market Size and Growth Rate, 2006-2016E
Global Relay Market Structure (by Sector), 2013
China Relay Market Structure (by Sector), 2013
Automotive Relay Sales in China, 2010-2016E
Global and China's Sales of Power Relay, 2011-2016E
China Relay Market Share, 2013
Global Installed Capacity of Wind Power, 2006-2018E
Wind Power Installed Capacity Structure (by Region) Worldwide, 2014
Global Wind Power Market Planning, 2020/2030
Wind Power Installed Capacity in China, 2006-2018E
Structure of Wind Power Installed Capacity (by Region) in China, 2013

Proposed/Ongoing Offshore Wind Power Generation Projects in China, 2015
Market Shares of Wind Turbine Models in China, 2014
China's Import of Wind Power Generating Units, 2012-2014
Export of Wind Power Generating Units from China, 2007-2014
Export of Wind Power Generating Units (by Enterprise) from China, 2013
China's Wind Power Installation Market Share, 2013
Revenue and Net Income of ABB, 2009-2014
Revenue Structure of ABB (by Business), 2013-2014
Business Distribution of ABB in China as of 2013
Revenue and Net Income of AMSC, FY2009-FY2014
Revenue of AMSC (by Business), FY2012-FY2014
Revenue of AMSC (by Region), FY2011-FY2013
Number of Employees of Siemens, FY2013-FY2014
Revenue and Net Income of Siemens, FY2009-FY2014
Revenue of Siemens (by Region), FY2013-FY2014
Orders and Revenue of Siemens (by Region), FY2012-FY2013
Revenue and Growth Rate of Siemens in China, FY2009-FY2014
Revenue and Net Income of Emerson, FY2009-FY2014
Revenue Structure of Emerson (by Product), FY2013-FY2014
Revenue Structure of Emerson (by Region), FY2014
Revenue and Growth Rate of Emerson in China, FY2006-FY2014
Production Bases of Emerson Network Power in China
Global Marketing Network of Vacon
Revenue and Operating Income of Vacon, 2009-2014
Revenue Structure of Vacon (by Channel), 2013-2014
Revenue Breakdown of Vacon (by Region), 2011-2014
Vacon's Layout in China
Windpower Converter Circuit Diagram of Vacon
Revenue and Net Income of Schneider, 2009-2014
Revenue Structure of Schneider (by Business), 2013-2014
Revenue Structure of Schneider (by Region), 2013-2014
Revenue and Growth Rate of Schneider in China, 2009-2013
Global Distribution of Schneider's Power Conversion Business
Equity Structure of Sungrow Power Supply, 2014
Revenue and Net Income of Sungrow Power Supply, 2010-2014
Revenue Structure of Sungrow Power Supply (by Product), 2011-2014
Operating Revenue of Sungrow Power Supply (by Region), 2011-2014
Gross Margin of Sungrow Power Supply (by Product), 2011-2014
Revenue from and Shipment of Wind Power Converters of Sungrow Power Supply,

2011-2014

Equity Structure of Harbin Jiuzhou Electric, 2014
Revenue and Net Income of Harbin Jiuzhou Electrical, 2009-2014
Operating Revenue Structure of Harbin Jiuzhou Electrical (by Product), 2011-2014
Operating Revenue of Harbin Jiuzhou Electrical (by Region), 2011-2014
Gross Margin of Harbin Jiuzhou Electrical (by Product), 2011-2014
Equity Structure of Rongxin Power Electronic, 2014
Revenue and Net Income of Rongxin Power Electronic, 2009-2014
Revenue Structure of Rongxin Power Electronic (by Product), 2011-2014
Operating Revenue of Rongxin Power Electronic (by Region), 2011-2014
Gross Margin of Rongxin Power Electronic (by Product), 2011-2014
Equity Structure of China Longyuan Power Group, 2014
Installed Capacity Structure of China Longyuan Power Group as of June 2014
Revenue and Net Income of China Longyuan Power Group, 2009-2014
Revenue Structure of China Longyuan Power Group (by Business), 2013-2014
Gross Margin of China Longyuan Power Group, 2009-2014
Equity Structure of Shanghai Hi-tech Control System, 2014
Revenue and Net Income of Shanghai Hi-tech Control System, 2009-2014
Operating Revenue of Shanghai Hi-tech Control System (by Product), 2011-2014
Operating Revenue of Shanghai Hi-tech Control System (by Region), 2012-2014
Gross Margin of Shanghai Hi-tech Control System (by Product), 2011-2014
Gross Margin of Shanghai Hi-tech Control System (by Region), 2012-2014
Equity Structure of Zhuzhou CSR Times Electric, 2014
Revenue and Net Income of Zhuzhou CSR Times Electric, 2009-2014
Revenue of Zhuzhou CSR Times Electric (by Product), 2011-2013
Gross Margin of Zhuzhou CSR Times Electric, 2009-2014
Equity Structure of Shenzhen Clou Electronics, 2014
Revenue and Net Income of Shenzhen Clou Electronics, 2009-2014
Revenue of Shenzhen Clou Electronics (by Product), 2012-2014
Operating Revenue of Shenzhen Clou Electronics (by Region), 2011-2014
Gross Margin of Shenzhen Clou Electronics, 2009-2014
Equity Structure of Shenzhen Hopewind Electric, 2014
Wind Power Projects Completed by Shenzhen Hopewind Electric by the End of 2014
Wind Power Projects Completed by Corona by the End of 2014
Equity Structure of Daqo Group, 2014
Revenue of Daqo Group, 2009-2014
Equity Structure of Beijing Nego Automation Technology, 2014
Windpower Converters of Beijing Nego Automation Technology, 2014
Equity Structure of Dongfang Hitachi, 2014

Distribution of HRV Electric's Key Projects
Proportion of China's Windpower Installed Capacity in Global Total, 2006-2018E
Growth Rate for the Demand for Windpower Converter in China, 2007-2018E
Revenue Growth Rates of World's Major Windpower Converter Manufacturers,
2010-2014

I would like to order

Product name: Global and China Wind Power Converter Industry Report, 2014-2018

Product link: <https://marketpublishers.com/r/G78B2768ADAEN.html>

Price: US\$ 2,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G78B2768ADAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970