



China Wind Power Converter Industry Report, 2014-2016

Jun. 2014

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

China now has become the world's largest and the fastest-growing wind power generation market. In 2013, China had a cumulative 91.4GW of wind power capacity, of which 16.1GW was newly-added capacity, accounting for 46.1% of the world's newly installed capacity and ranking No. 1 globally. The surge in wind power installations has driven the development of China wind power converter market, which was worth around RMB 18.8 billion in 2013, soaring by 44.6% from a year earlier.

As a core part of wind turbine, one set of wind power converter is needed to support one set of wind turbine. Calculated by installed capacity of 1.5MW for each set of wind turbine, about 10,726 sets of converters were needed in China in 2013, rising by 26.8% from a year earlier. China's wind power converter output has continued to increase along with the growing demand, arriving at 10,000 sets or so in 2013, up 23.5% year on year.

China's domestic wind power converter manufacturers started late on the business. By the end of 2013, foreign players dominated about 95% of China wind power converter market, with ABB, Convertteam, AMSC and Emerson being the leaders. Domestic Chinese companies chiefly involve Beijing Corona, Sungrow Power, Hopewind, Zhuzhou CSR Times Electric and Qharvest. At the end of 2013, Sungrow Power, Hopewind and Zhuzhou CSR Times Electric had wind power converter capacity of 1,000 sets/a each.

Wind power converter is one of few parts with low localization rate in Chinese wind power equipment industry. Driven by import substitution policies and high profitability of the industry, local Chinese manufacturers are stepping up efforts to develop products, and will gain more market share as technical barriers of wind power converter are broken one after another.

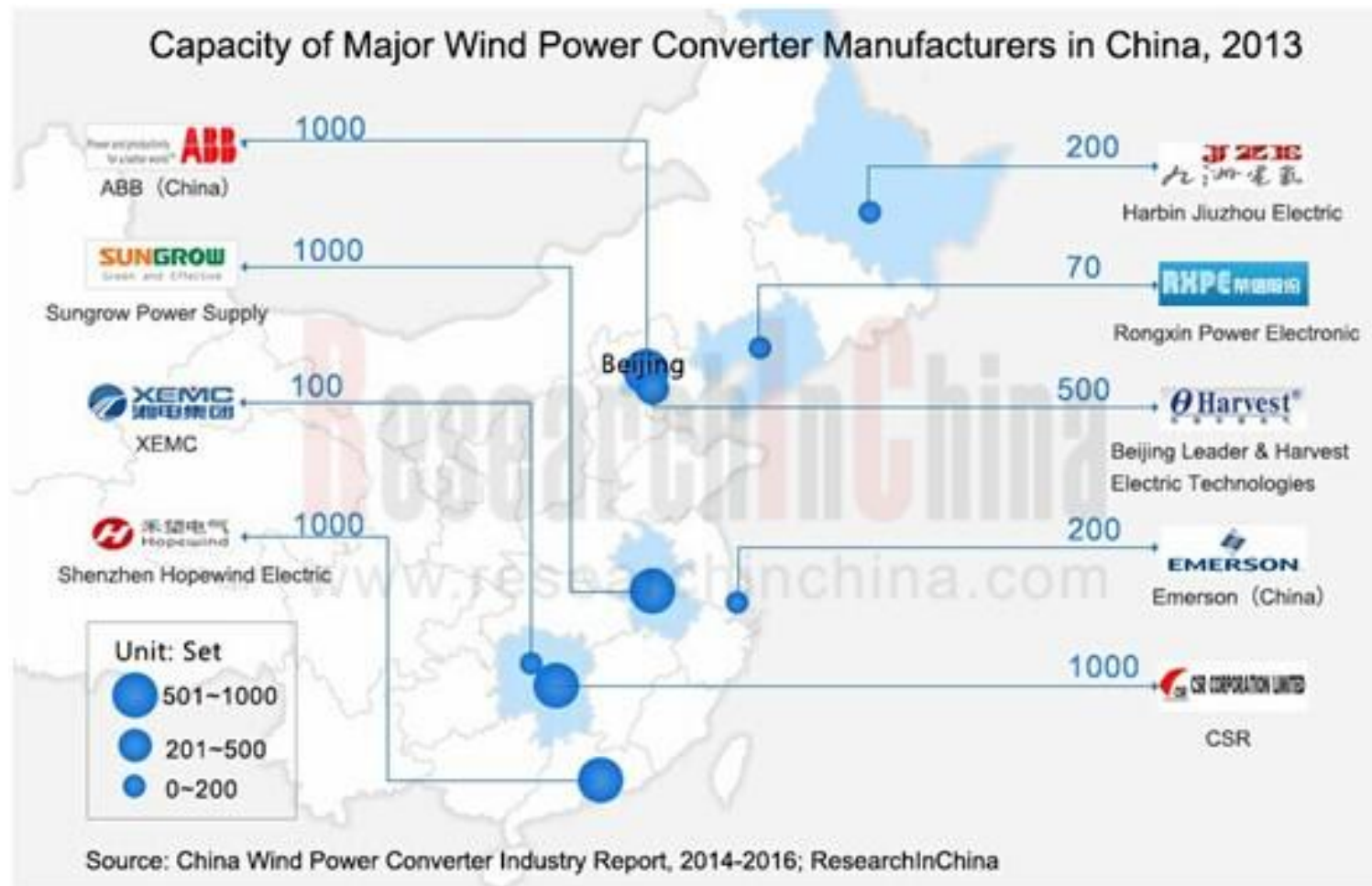
Wind power converter consists mainly of power component, control device, general component, power electric component, metal material and electric wire. Various power and electronic devices (including power component, control device) are major components of wind power converter, accounting for 50%-55% of the total cost, of which IGBT makes up about 10%; power electric components includes main transformer and high/low voltage switch, occupying 30%-40% of its cost; the remaining 5% or so is held by various materials and structural parts.

According to Development Plan for Renewable Energy during the 12th Five-Year Plan Period by National Energy Administration, it is expected that China's installed capacity of wind power will reach 150 GW by 2020, accounting for 4%-6% of the world's total wind power installations. Calculated based on 1.5MW for one set of wind turbine, the demand for wind power converter is estimated to stay above 8000 sets/a in China during 2014-2016.

China Wind Power Converter Industry Report, 2014-2016 by ResearchInChina focuses on the following:

- ✘ Development status quo of China wind power converter industry, including market size, supply and demand, competitive landscape, policy environment and forecast for the next three years;
- ✘ Market Profile of raw materials for wind power converter in China, covering cost structure of raw materials and IGBT and relay markets;
- ✘ Introduction to China's wind capacity market, involving installed capacity of wind power, market share, import and export, and competitive landscape;
- ✘ Operation, development in China and wind power converter business of 7 global and 15 Chinese wind power converter manufacturers.

Capacity of Major Wind Power Converter Manufacturers in China, 2013



1. Overview of Wind Power Converter Industry

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

2. Development of China Wind Power Converter Industry

- 2.1 Market Size
- 2.2 Supply
- 2.3 Demand
- 2.4 Policy Environment
- 2.5 Competitive Landscape

3. Raw Materials Market

- 3.1 Raw Materials of Wind Power Converter
- 3.2 IGBT Market
 - 3.2.1 Market Size
 - 3.2.2 Competitive Landscape
- 3.3 Relay Market
 - 3.3.1 Market Size
 - 3.3.2 Market Structure
 - 3.3.3 Competitive Landscape

4. China's Wind Power Installation

- 4.1 Installed Wind Power Capacity
- 4.2 Market Structure
- 4.3 Import and Export
- 4.4 Competitive Landscape

5. Major Global Wind Power Converter Manufacturers

- 5.1 ABB
 - 5.1.1 Profile
 - 5.1.2 Operation
 - 5.1.3 Revenue Structure
 - 5.1.4 Business in China
- 5.2 AMSC
 - 5.2.1 Profile

- 5.2.2 Operation
- 5.2.3 Revenue Structure
- 5.2.4 Business in China
- 5.3 Siemens
 - 5.3.1 Profile
 - 5.3.2 Operation
 - 5.3.3 Revenue Structure
 - 5.3.4 Business in China
- 5.4 Converteam
 - 5.4.1 Profile
 - 5.4.2 Operation
 - 5.4.3 Business in China
- 5.5 Emerson
 - 5.5.1 Profile
 - 5.5.2 Operation
 - 5.5.3 Revenue Structure
 - 5.5.4 Business in China
- 5.6 Vacon
 - 5.6.1 Profile
 - 5.6.2 Operation
 - 5.6.3 Revenue Structure
 - 5.6.4 Business in China
- 5.7 Schneider Electric SA
 - 5.7.1 Profile
 - 5.7.2 Operation
 - 5.7.3 Revenue Structure
 - 5.7.4 Business in China

6. Major Chinese Wind Power Converter Manufacturers

- 6.1 Sungrow Power Supply Co. Ltd.
 - 6.1.1 Profile
 - 6.1.2 Operation
 - 6.1.3 Revenue Structure
 - 6.1.4 Gross Margin
 - 6.1.5 Wind Power Converter Business
 - 6.1.6 Forecast and Outlook

- 6.2 Harbin Jiuzhou Electric Co., Ltd.
 - 6.2.1 Profile
 - 6.2.2 Operation
 - 6.2.3 Revenue Structure
 - 6.2.4 Gross Margin
 - 6.2.5 Wind Power Converter Business
 - 6.2.6 Forecast and Outlook
- 6.3 Beijing Corona Science & Technology Co., Ltd.
 - 6.3.1 Profile
 - 6.3.2 Wind Power Converter Business
- 6.4 Rongxin Power Electronic Co., Ltd.
 - 6.4.1 Profile
 - 6.4.2 Operation
 - 6.4.3 Revenue Structure
 - 6.4.4 Gross Margin
 - 6.4.5 Wind Power Converter Business
 - 6.4.6 Forecast and Outlook
- 6.5 China Longyuan Power Group Corporation Ltd.
- 6.6 Shanghai Hi-tech Control System Co., Ltd.
- 6.7 Shenzhen Hopewind Electric Co., Ltd.
- 6.8 Chino-Harvest Wind Power Technology Co., Ltd.
- 6.9 Zhuzhou CSR Times Electric Co., Ltd.
- 6.10 Shenzhen Clou Electronics Co., Ltd.
- 6.11 Daqo Group
- 6.12 Beijing Nego Automation Technology Co., Ltd.
- 6.13 XJ Group Corporation
- 6.14 Shandong Xinfengguang Electronic Technology Co., Ltd.
- 6.15 Dongfang Hitachi (Chengdu) Electric Control Equipments Co., Ltd.

7. Summary and Forecast

- 7.1 Summary
- 7.2 Forecast

- Application of Wind Power Converter
- Application Sketch Map of Double-fed Wind Power Converter
- Application Sketch Map of Full Power Wind Power Converter
- Process Flow Diagram of Wind Power Converter
- China's Wind Power Converter Market Size, 2008-2013
- China's Wind Power Converter Output, 2009-2013
- China's Wind Power Converter Demand, 2006-2013
- China's Laws, Regulations and Policies Concerning Wind Power Converter, 2006-2014
- Share of China Wind Power Converter Market, 2013
- Capacity and Planning of Wind Power Converter Manufacturers in China, 2013
- Main Raw Materials of Wind Power Converter
- Cost Structure of Wind Power Converter, 2013
- Global IGBT Market Size, 2008-2014
- Global IGBT Market Share, 2012
- Global Relay Market Size, 2006-2016E
- China Relay Market Size, 2006-2016E
- Structure of Global Relay Market by Sector, 2013
- China Relay Market Share, 2013
- Global Wind Power Installed Capacity, 2006-2013
- China Wind Power Installed Capacity, 2006-2013
- Market Share of Complete Wind Turbine Models in China, 2013
- China's Wind Turbine Export, 2007-2013
- China's Wind Turbine Export by Manufacturer, 2013
- Market Share of China Wind Power Installations, 2013
- Revenue and Net Income of ABB, 2009-2014
- Revenue Structure of ABB by Sector, 2013

- Business Distribution of ABB in China, by 2013
- Revenue and Net Income of AMSC, FY2009- FY2013
- Revenue of AMSC by Sector, FY2012- FY2013
- Revenue of AMSC by Region, FY2011- FY2013
- Revenue and Net Income of Siemens, FY2009- FY2013
- Orders and Revenue of Siemens by Region, FY2012-FY2013
- Revenue and YoY Growth Rate of Siemens in China, FY2009- FY2013
- Converteam's Global Business, 2011
- Sales and Net Income of Emerson, FY2009-FY2013
- Sales Structure of Emerson by Product, FY2013
- Information about China Office of Emerson Network Energy
- Revenue and Net Income of Vacon, 2009-2013
- Revenue of Vacon by Region, 2013
- Revenue and Net Income of Schneider Electric, 2009-2013
- Revenue Structure of Schneider Electric by Region, 2013
- Revenue and YoY Growth Rate of Schneider Electric in China, 2009-2013
- Revenue and Net Income of Sungrow Power, 2010-2014
- Operating Revenue of Sungrow Power by Product, 2011-2013
- Operating Revenue of Sungrow Power by Region, 2011-2013
- Gross Margin of Sungrow Power by Product, 2011-2013
- Wind Power Converter Shipment of Sungrow Power, 2011-2013
- Revenue and Net Income of Sungrow Power, 2011-2016E
- Revenue and Net Income of Harbin Jiuzhou Electric, 2009-2014
- Operating Revenue of Harbin Jiuzhou Electric by Product, 2011-2013
- Operating Revenue of Harbin Jiuzhou Electric by Region, 2011-2013
- Gross Margin of Harbin Jiuzhou Electric by Product, 2011-2013

- Revenue and Net Income of Harbin Jiuzhou Electric, 2011-2016E
- Revenue and Net Income of Rongxin Power Electronic, 2009-2014
- Operating Revenue of Rongxin Power Electronic by Product, 2011-2013
- Operating Revenue of Rongxin Power Electronic by Region, 2011-2013
- Gross Margin of Rongxin Power Electronic by Product, 2011-2013
- Revenue and Net Income of Rongxin Power Electronic, 2011-2016E
- Revenue and Net Income of Longyuan Power, 2009-2014
- Revenue Structure of Longyuan Power by Business, 2013
- Gross Margin of Longyuan Power, 2009-2013
- Revenue and Net Income of Longyuan Power, 2011-2016E
- Revenue and Net Income of Shanghai Hi-tech Control System, 2009-2014
- Operating Revenue of Shanghai Hi-tech Control System by Product, 2011-2013
- Operating Revenue of Shanghai Hi-tech Control System by Region, 2011-2013
- Gross Margin of Shanghai Hi-tech Control System by Product, 2011-2013
- Gross Margin of Shanghai Hi-tech Control System by Region, 2011-2013
- Revenue and Net Income of Shanghai Hi-tech Control System, 2011-2016E
- 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
- Revenue and Net Income of Zhuzhou CSR Times Electric, 2009-2016E
- Revenue and Net Income of Shenzhen Clou Electronics, 2009-2014
- Operating Revenue of Shenzhen Clou Electronics by Product, 2012-2013
- Operating Revenue of Shenzhen Clou Electronics by Region, 2011-2013
- Gross Margin of Shenzhen Clou Electronics, 2009-2014
- Revenue and Net Income of Shenzhen Clou Electronics, 2011-2016E
- Sales of Daqo Group, 2009-2012
- Wind Power Converter Products of Beijing Nego Automation Technology, 2013
- China's Wind Power Converter Demand, 2006-2016E

You can place your order in the following alternative ways:

1. Order online at www.researchinchina.com
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: report@researchinchina.com
4. Phone us at +86 10 82600828/ 82601561

Party A:			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

Party B:			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

Choose type of format

- PDF (Single user license)2,250 USD
- Hard copy 2,400 USD
- PDF (Enterprisewide license)..... 3,400 USD

※ Reports will be dispatched immediately once full payment has been received.
Payment may be made by wire transfer or credit card via PayPal.

About ResearchInChina

ResearchInChina (www.researchinchina.com) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

Our Major Activities

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

RICDB (<http://www.researchinchina.com/data/database.html>), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at www.researchinchina.com

For any problems, please contact our service team at: