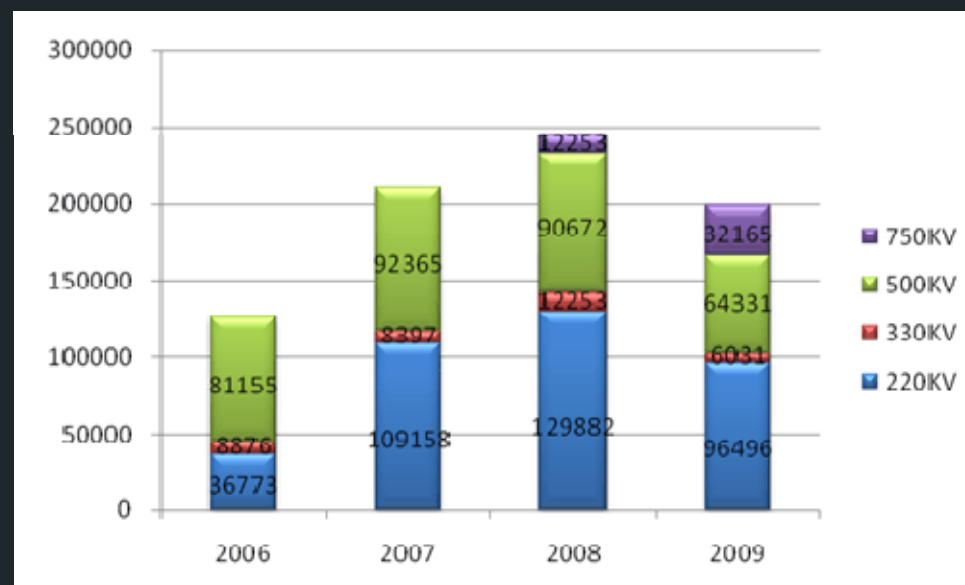


China Transformer Industry Report, 2009-2010



Transformer is a device that changes AC voltage on the principle of electromagnetic induction, and it can mainly be categorized into power transformer, instrument transformer and specialty transformer. A growing investment in China's power grid construction in recent years has brought in ever-growing demand for power transformers. During 2006-2009, the transformer bid capacity had reached 782,818 MVA since the State Grid Corporation of China (SGCC) implemented centralized bid for power transmission and distribution equipment. Furthermore, the annual growth rate of transformer bid capacity of SGCC achieved 20% during the period of 2006-2008.

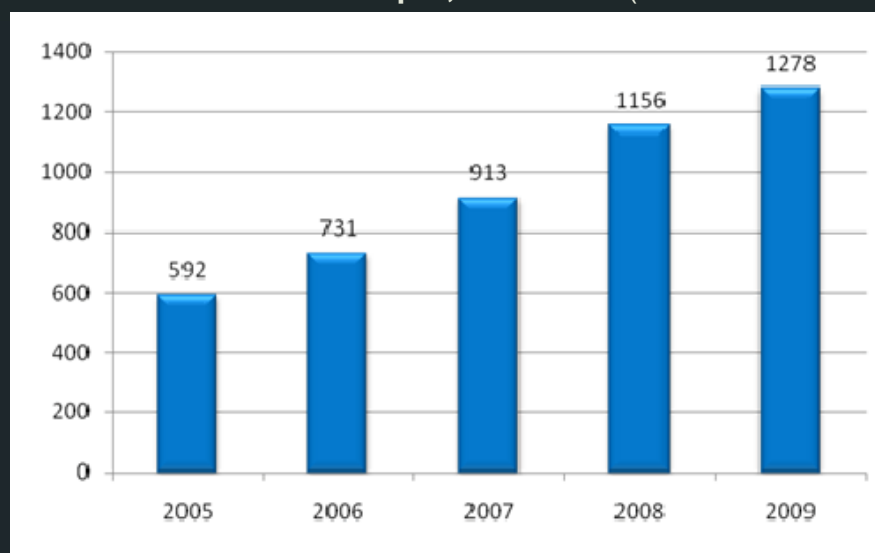
Transformer Bid Capacity of SGCC by Voltage Grade, 2006-2009 (Unit: MVA)



Source: State Grid Corporation of China (SGCC), ResearchInChina

China's transformer industry has increased rapidly in recent years due to growing demand, and by the year of 2009, the number of companies above designated size and total assets of the industry had respectively been up 76% and 146% compared to 2005. In the meantime, China's transformer output also had achieved fast growth with expansion in industry scale, and annual growth rate of transformer output amounted to 21% during 2005-2009.

China's Transformer Output, 2005-2009 (Unit: million KVA)



Source: ResearchInChina

The industry expansion has further exacerbated the competition in China's transformer market, especially the below-220KV transformer market that makes meager profit due to an excessive number of manufacturers. Now, foreign enterprises such as ABB and Toshiba, and leading domestic transformer companies like TBEA, Tianwei Baobian Electric and China XD Electric have significantly improved the concentration in the ultra-large EHV transformer market. In 2009, the market share of the top five companies that won transformer bid of SGCC reached 71%, and the three leading domestic companies also accounted for 56%.

In recent years, the market competitiveness of leading domestic transformer companies has increased rapidly due to improvements in various aspects like technology and cost. TBEA maintained the first place in China's top ten transformer manufacturers in 2009, and topped the market segments like 220KV, 330KV, 500KV and 750KV in the SGCC transformer bid, with outstanding market competitive advantages.

Table of Contents

- **1. Transformer Industry Overview**
 - 1.1 Definition & Classification
 - 1.2 Industry Characteristics
- **2. China's Transformer Industry Development**
 - 2.1 Development Environment
 - 2.1.1 China Grid Investment
 - 2.1.2 Transformer Equipment Bid of State Grid
 - 2.2 Operation
 - 2.2.1 Industry Scale
 - 2.2.2 Industry Performance
 - 2.3 Industry Pattern
 - 2.3.1 Regional Distribution
 - 2.3.2 Market Competition Pattern
- **3. China's Transformer Market Segments**
 - 3.1 Distribution Transformer
 - 3.1.1 Dry-type Transformer
 - 3.1.2 Non-crystal Alloy Transformer
 - 3.2 Transmission Transformer
 - 3.2.1 EHV& UHV AC Transmission
 - 3.2.2 UHV DC Transmission
- **4. China's Transformer Import & Export**
 - 4.1 Export
 - 4.2 Import
- **5. Key Foreign Transformer Companies**
 - 5.1 ABB
 - 5.1.1 Company Profile
 - 5.1.2 Business in China
 - 5.1.3 Operation
 - 5.2 Siemens
 - 5.2.1 Company Profile
 - 5.2.2 Business in China
 - 5.2.3 Operation
 - 5.3 Toshiba
 - 5.3.1 Company Profile

- 5.3.2 Business in China
- 5.3.3 Operation
- **6. China's Key Transformer Companies**
- 6.1 Tebian Electric Apparatus Stock Co., Ltd. (TBEA)
 - 6.1.1 Company Profile
 - 6.1.2 Operation
 - 6.1.3 Competition Advantages
- 6.2 China XD Electric Co., Ltd
 - 6.2.1 Company Profile
 - 6.2.2 Operation
 - 6.2.3 Competition Advantages
- 6.3 Baoding Tianwei Baobian Electric Co., Ltd
 - 6.3.1 Company Profile
 - 6.3.2 Operation
 - 6.3.3 Transformer Business
 - 6.3.4 Competition Advantages
- 6.4 Jiangsu Huapeng Transformer Co., Ltd
 - 6.4.1 Company Profile
 - 6.4.2 Operation
 - 6.4.3 Competition Advantages
- 6.5 Sanbian Sci-Tech Co., Ltd
 - 6.5.1 Company Profile
 - 6.5.2 Operation
 - 6.5.3 Competition Advantages
- 6.6 Shanghai Zhixin Electric Co., Ltd
 - 6.6.1 Company Profile
 - 6.6.2 Operation
 - 6.6.3 Competition Advantages
- 6.7 China Electric Equipment Group
 - 6.7.1 Company Profile
 - 6.7.2 Operation
 - 6.7.3 Investment Development Plan
- 6.8 Areva-Sunten Electric Co., Ltd
 - 6.8.1 Company Profile
 - 6.8.2 Operation
 - 6.8.3 Competition Advantages
- 6.9 Hangzhou Qianjiang Electric Group Co., Ltd
 - 6.9.1 Company Profile
 - 6.9.2 Operation
- 6.10 Shandong Dachi Electric Co., Ltd

Selected Charts

- China's Central Government RMB4 Trillion Investment Plan, 2009
- Market Shares of Foreign-funded and Domestic-funded Transformer Manufacturers in China, 2009
- Market Shares of State Grid Transformer Bid Winners, 2006-2009
- Market Shares of State Grid 750KV Transformer Bid Winners by Capacity, 2008-2009
- Market Shares of State Grid 500KV Transformer Bid Winners by Capacity, 2006-2009
- Market Shares of State Grid 330KV Transformer Bid Winners by Capacity, 2006-2009
- Market Shares of State Grid 220KV Transformer Bid Winners by Capacity, 2006-2009
- No-load Power Consumption of Non-crystal Alloy Transformer and S9 Series of Transformers
- China's Transformer Export Volume, 2003-2009
- China's Transformer Export Value, 2003-2009
- Import Value of China's Transformer, Inductor, Rectifier & Parts, 2003-2010
- Main Transformer Business of ABB China Subsidiaries
- ABB Operating Income by Business, 2006-2009
- ABB China Transformer Operating Income by Company, 2008
- Main Business Revenue and Total Profit of ABB Chongqing Transformer Company, 2004-2008
- Main Business Revenue and Total Profit of ABB Hefei Transformer Company, 2004-2008
- Main Business Revenue and Total Profit of ABB Zhongshan Transformer Company, 2004-2008

- Main Business Revenue and Total Profit of ABB Shanghai Transformer Company, 2004-2008
- Main Business of Transformer Companies Subordinated to Siemens
- Siemens Sales by Region, 2008-2009
- Main Business Revenue and Total Profit of Siemens Transformer, 2004-2008
- Main Business Revenue and Total Profit of Siemens Guangzhou Transformer Company, 2004-2008
- Toshiba Sales by Business, FY2006-FY2009
- Main Business Revenue and Total Profit of Toshiba Changzhou Transformer Company, 2004-2008
- Transformer Sales Volume of Toshiba Changzhou Project, 1996-2009
- TBEA Operating Income & Net Profit, 2007-2010
- TBEA Operating Income by Product, 2007-2009
- TBEA Operating Income by Region, 2007-2009
- Product Structure of Four Transformer Subsidiaries of TBEA
- Operating Income of Transformer Subsidiaries of TBEA, 2007-2009
- Main Transformer Products of China XD Electric
- Operating Income & Net Profit of China XD Electric, 2006-2010
- Operating Income of China XD Electric by Product, 2008-2009
- Operating Income of Main China XD Electric Subsidiaries, 2009
- Operating Income & Net Profit of Tianwei Baobian, 2006-2010
- 330-1050KV Transformer Sales of Tianwei Baobian, 2000-2011
- Nuclear Power Transformer Sales of Tianwei Baobian, 1988-2011
- Transformer Export Volume of Tianwei Baobian by Region, 1992-2009
- Operating Income of Tianwei Baobian by Business, 2007-2009
- Main Products of Jiangsu Huapeng Transformer
- Gross Industrial Output Value of Jiangsu Huapeng Transformer, 2005-2009

- Transformer Output of Jiangsu Huapeng Transformer, 2005-2009
- Operating Income & Total Pre-tax Profit of Jiangsu Huapeng Transformer, 2005-2009
- Sanbian Operating Income & Net Profit, 2006-2010
- Sanbian Operating Income by Product, 2006-2009
- Operating Income & Net Profit of Shanghai Zhixin Electric, 2006-2010
- Main Transformer Products of China Electric Equipment Group
- Main Business Revenue and Total Profit of China Electric Equipment Group, 2004-2008
- Operating Income & Net Profit of Areva-Sunten Electric, 2006-2009
- Transformer Product Operating Income of Areva-Sunten Electric, 2007-2009
- Main Transformer Products of Hangzhou Qianjiang Electric
- Sales Network of Hangzhou Qianjiang Electric in China
- Main Business Revenue & Total Profit of Hangzhou Qianjiang Electric, 2004-2008
- Main Transformer Products of Shandong Dachi Electric
- Main Business Revenue and Total Profit of Shandong Dachi Electric, 2004-2008

How to Buy

Product details			How to Order
Single user	USD	File	By email: report@researchinchina.com
	1,500	PDF	By fax: 86-10-82601570
	2,250	PDF	By online: www.researchinchina.com
Publication date: July 2010			
For more information, call our office in Beijing, China:			
Tel: 86-10-82600828			
Website: www.researchinchina.com			