

**China Smart Electric Meter Industry Report,
2016-2020**

May 2016

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

Smart electric meter, an important basic device for acquiring smart grid data, undertakes the tasks of electricity data acquisition, metering and transmission, and plays a fundamental role in achieving information integration, analysis & optimization, and information expression. Rapid development of smart grid has driven up the demand for smart electric meters in China over recent years.

More than 90 million smart electric meters were installed in China in 2015, creating a market size of RMB18.2 billion, up 5.56% and 1.68% against the previous year, respectively. As more and more smart electric meters are installed, smart electric meters started entering a process of stock substitution in China in 2015. Besides new demands, replacement market will be one of main driving forces of market growth during 2016-2020 when smart electric meter installations will grow at an estimated average pace of 5.75% and the market scale 3.14%.

Smart electric meters are primarily promoted by State Grid and China Southern Power Grid via unified bidding with the former holding the lion's share. State Grid invites smart electric meter biddings for three to five times every year. The quantity of State Grid's biddings in 2014 and 2015 both exceeded 90 million units. The figure for the first batch in 2016 reached 69.12 million units and full-year amount is expected to rise significantly.

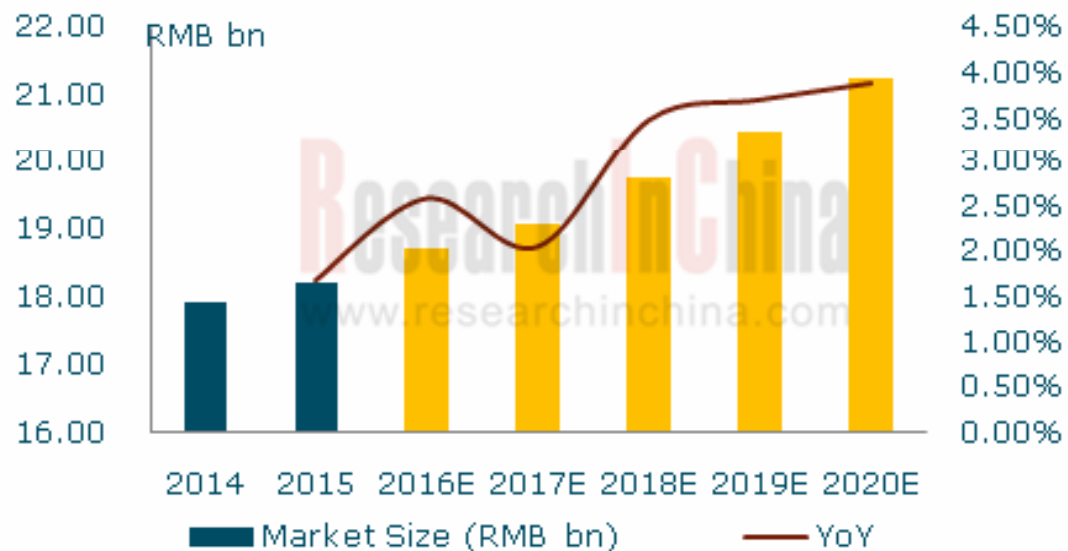
Smart electric meter industry is less concentrated in China. There are more than 100 producers whose products are mainly for residents and industrial & commercial users. Meanwhile, the equilibrium strategy adopted by State Grid restrains industry concentration to a large extent. In 2015, Ningbo Sanxing Electric and Jiangsu Linyang Energy were top2 winning bidders with 3.714 million and 3.709 million smart electric meters, both holding a market share of 4.08%, according to the biddings won by market players from State Grid.

Two problems faced by smart electric meters in China,

1. Poor core capacity for core parts like chips, leading to heavy reliance on foreign companies;
2. Not a unified communication mode. Despite collectors of the majority of producers conforming to unified standards of State Grid, there are differences in details, resulting in different dominant frequencies of communication and finally a failure in end-to-end transmission.

As China builds its smart grid, smart electric meter (a key basic part) will develop towards intelligent, multifunctional and modular one in the future. Upgrading of core technologies, improvement in communication modes and layout of major companies will be the focus of the industry.

China's Smart Electric Meter Market Size, 2009-2020E



Source: China Smart Electric Meter Industry Report, 2016-2020, by ResearchInChina

China Smart Electric Meter Industry Report, 2016-2020 by ResearchInChina focuses on the followings:

- Global smart grid construction, smart electric meter promotion, and development planning in major countries;
- Smart grid in China (construction, investment, development planning);
- Smart electric meter in China (installations, shipments, market planning, imports & exports, and competitive landscape);
- Smart electric meter in China (communication protocols, promotion & application, and development trends);
- State Grid's smart electric meter bidding, major bid winners, development planning;
- Major smart electric meter producers in China (revenue, net income, gross margin, output/sales, bid winning, development planning).

1. Overview

- 1.1 Definition
 - 1.1.1 Smart Meter
 - 1.1.2 Smart Electric Meter
- 1.2 Classification
- 1.3 Development Course
- 1.4 Business Models
- 1.5 Smart Grid

2. Global Smart Electric Meter Market

- 2.1 Smart Grid Market
 - 2.1.1 Status Quo
 - 2.1.2 Venture Capital Investment
 - 2.1.3 Development Trend
- 2.2 Smart Electric Meter Market
 - 2.2.1 Installation
 - 2.2.2 Market Size
 - 2.2.3 Development Progress and Plans in Countries

3. Construction of Smart Grid in China

- 3.1 Electricity Supply
- 3.2 Reliability of Electricity Supply
- 3.3 Automation Rate
- 3.4 Amount of Investment
- 3.5 Development Plan

4. China's Smart Electric Meter Market

- 4.1 Industrial Policy
- 4.2 Shipment
- 4.3 Installation

- 4.4 Market Size
- 4.5 Market Structure
- 4.6 Competitive Landscape
- 4.7 Import & Export
 - 4.7.1 Import
 - 4.7.2 Export
- 4.8 Communication Method
 - 4.8.1 Current Situation
 - 4.8.2 Development Trends
- 4.9 Popularization and Application
 - 4.9.1 Application Situation
 - 4.9.2 Standards
 - 4.9.3 Policies
 - 4.9.4 Enterprises

5. Smart Electric Meter Market of STATE GRID

- 5.1 Tender Rules
- 5.2 Tender Scale
- 5.3 Tender Structure
- 5.4 Construction Planning

6. Tender Market Segments of STATE GRID

- 6.1 2S Single-phase Smart Meter
 - 6.1.1 Overview
 - 6.1.2 Competition Pattern
- 6.2 1S Three-phase Smart Electric Meter
 - 6.2.1 Overview
 - 6.2.2 Competitive Pattern
- 6.3 0.5S Three-phase Smart Electric Meter
 - 6.3.1 Overview

- 6.3.2 Competitive Pattern
- 6.4 0.2S Three-phase Smart Electric Meter
 - 6.4.1 Overview
 - 6.4.2 Competitive Pattern

7. Key Manufacturers

- 7.1 Ningbo Sanxing Electric Co., Ltd.
 - 7.1.1 Profile
 - 7.1.2 Operation
 - 7.1.3 Revenue Structure
 - 7.1.4 Gross Margin
 - 7.1.5 Smart Electric Meter Tenders Won from State Grid
 - 7.1.6 Smart Electric Meter Business
- 7.2 Jiangsu Linyang Energy Co., Ltd.
 - 7.2.1 Profile
 - 7.2.2 Operation
 - 7.2.3 Revenue Structure
 - 7.2.4 Gross Margin
 - 7.2.5 Smart Electric Meter Tenders Won from State Grid
 - 7.2.6 Smart Electric Meter Business
- 7.3 Wasion Group Holdings Limited
 - 7.3.1 Profile
 - 7.3.2 Operation
 - 7.3.3 Revenue Structure
 - 7.3.4 Smart Electric Meter Business
 - 7.3.5 Smart Electric Meter Tenders Won from State Grid
 - 7.3.6 Dynamics
- 7.4 Hangzhou Sunrise Technology Co., Ltd.
 - 7.4.1 Profile
 - 7.4.2 Operation

7.4.3 Revenue Structure	7.10.1 Profile
7.4.4 Gross Margin	7.10.2 Smart Electric Meter Tenders Won from State Grid
7.4.5 R&D	7.11 Ningxia LONGi Instrument Co., Ltd.
7.4.6 Smart Electric Meter Tenders Won from State Grid	7.11.1 Profile
7.4.7 Smart Electric Meter Business	7.11.2 Smart Electric Meter Tenders Won from State Grid
7.4.8 Dynamics	7.12 Shenzhen Jiangji Industrial Co., Ltd.
7.5 Hexing Group	7.12.1 Profile
7.5.1 Profile	7.12.2 Smart Electric Meter Tenders Won from State Grid
7.5.2 Operation	7.13 Shenzhen Clou Electronics Co., Ltd.
7.5.3 Marketing Network	7.13.1 Profile
7.5.4 Major Customers	7.13.2 Operation
7.5.5 Smart Electric Meter Tenders Won from State Grid	7.13.3 Revenue Structure
7.5.6 Smart Electric Meter Business	7.13.4 Gross Margin
7.6 Henan XJ Metering Co., Ltd.	7.13.5 Smart Electric Meter Tenders Won from State Grid
7.6.1 Profile	7.13.6 Smart Electric Meter Business
7.6.2 Operation	7.14 Wuhan SanFran Electronics Co., Ltd.
7.6.3 Smart Electric Meter Tenders Won from State Grid	7.14.1 Profile
7.6.4 Smart Electric Meter Business	7.14.2 Operation
7.7 Hangzhou Xili Meter Manufacturing Co., Ltd.	7.14.3 Major Customers and Suppliers
7.7.1 Profile	7.14.4 Smart Electric Meter Tenders Won from State Grid
7.7.2 Smart Electric Meter Tenders Won from State Grid	7.15 Holley Metering Limited
7.8 Zhejiang CHINT Instrument & Meter Co., Ltd.	7.16 Zhejiang Bada Electronic Instrument Co., Ltd.
7.8.1 Profile	7.17 Qingdao Gaoke Communication Inc.
7.8.2 Operation	7.18 Shenzhen Tchrise Electronics Co., Ltd.
7.8.3 Gross Margin	7.19 Zhejiang Risesun Science and Technology Co., Ltd.
7.8.4 Smart Electric Meter Tenders Won from State Grid	
7.9 Yantai Dongfang Wisdom Electric Co., Ltd.	8. Summary and Prediction
7.9.1 Profile	8.1 Market Summary and Forecast
7.9.2 Operation	8.2 Summary and Prospects of Enterprises' Development
7.9.3 Smart Electric Meter Tenders Won from State Grid	8.3 Risks in Industrial Development
7.10 Beijing BANNER Electric Manufacturing Corporation	8.4 Tendency of Industrial Development

- Classification of Smart Meters
- Infrastructure of Smart Grid
- Global Smart Grid Investment Scale in Total, 2009-2018E
- Smart Grid VC Funding Q4 2014-Q4 2015
- Smart Grid – Top5 VC Funded Companies in 2015
- Number of Global Installed Smart Electric Meters, 2013-2020E
- Global Smart Electric Meter Market Size, 2013-2020E
- China's Electricity Supply Reliability Indexes by Region, 2010&2015&2017&2020
- Indispensable Measures for Improving Reliability of Electricity Supply
- Distribution Network Automation Rate in Major Countries Worldwide, 2013
- China's Distribution Network Electrification Rate, 2012-2020E
- State Grid's Investment in Smart Grid by Phase, 2009-2020E
- Number of China's Installed Smart Electric Meters, 2009-2020E
- China's Smart Meter Market Size, 2009-2020E
- Smart Electric Meter Market Share by Product in China, 2011-2016
- Smart Meter Industry Chain
- Market Share of PLC Smart Electric Meters, 2012-2016
- Communication Development Trends of Smart Electric Meters
- Tender Evaluation, Rating and Weight of State Grid
- Smart Grid Construction Planning of State Grid
- Percentage of 2S Single-phase Smart Meter Bid Winners, 2013-2015
- Percentage of 1S Single-phase Smart Electric Meter Bid Winners, 2013-2015
- Percentage of 0.5S Three-phase Smart Electric Meter Bid Winners, 2013-2015
- Percentage of 0.2S Three-phase Smart Electric Meter Bid Winners, 2013-2015
- Revenue and Net Income of Ningbo Sanxing Electric, 2009-2015

- Revenue Structure of Ningbo Sanxing Electric (by Product), 2012-2015
- Revenue Structure of Ningbo Sanxing Electric (by Region), 2012-2015
- Consolidated Gross Margin of Ningbo Sanxing Electric, 2009-2015
- Ningbo Sanxing Electric's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Revenue and Gross Margin of Jiangsu Linyang Energy, 2009-2015
- Global Marketing Network of Jiangsu Linyang Energy
- Revenue Structure of Jiangsu Linyang Energy (by Product), 2012-2015
- Revenue Breakdown of Jiangsu Linyang Energy (by Region), 2008-2015
- Jiangsu Linyang Energy's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Smart Electric Meter Revenue and Growth Rate of Jiangsu Linyang Energy, 2009-2015
- Smart Electric Meter Output and Sales of Jiangsu Linyang Energy, 2009-2014
- Revenue and Gross Margin of Wasion Group, 2008-2015
- Revenue Structure of Wasion Group (by Product), 2013-2015
- Revenue Structure of Wasion Group (by Region), 2012-2015
- Wasion Group's Presence in Overseas Market
- Smart Electric Meter Revenue and Gross Margin of Wasion Group, 2013-2015
- Customer Structure of Wasion Group, 2013-2015
- Wasion Group's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Revenue and Net Income of Sunrise Technology, 2011-2015
- Revenue Structure of Sunrise Technology (by Product), 2012-2015
- Revenue Structure of Sunrise Technology (by Region), 2015
- Gross Margin of Sunrise Technology (by Product), 2010-2015
- R&D Costs and % of Total Revenue of Sunrise Technology, 2009-2015
- Sunrise Technology's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Smart Electric Meter Revenue of Sunrise Technology, 2010-2015

- Revenue and Net Income of Hexing Group, 2011-2013
- Revenue Structure of Hexing Group (by Product), 2011-2015
- Global Marketing Network of Hexing Group
- Revenue Structure of Hexing Group (by Region), 2011-2015
- Hexing Group's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Smart Electric Meter Revenue of Hexing Group, 2011-2015
- XJ Metering's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Smart Electric Meter Revenue and Gross Margin of XJ Metering, 2011-2015
- Hangzhou Xili Meter Manufacturing's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Revenue and Net Income of Zhejiang CHINT Instrument & Meter, 2009-2015
- Gross Margin of Zhejiang CHINT Instrument & Meter, 2009-2015
- Zhejiang CHINT Instrument & Meter's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Yantai Dongfang Wisdom Electric's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Beijing BANNER Electric Manufacturing Corporation's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Ningxia LONGi Instrument's Smart Electric Meter Tenders Won from State Grid, 2011-2015
- Revenue and Net Income of Shenzhen Clou Electronics, 2007-2015
- Revenue Structure of Shenzhen Clou Electronics (by Product), 2014-2015
- Revenue Structure of Shenzhen Clou Electronics (by Region), 2009-2015
- Consolidated Gross Margin of Shenzhen Clou Electronics, 2007-2015
- Shenzhen Clou Electronics' Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Revenue from and Gross Margin of Electric Energy Meters of Shenzhen Clou Electronics, 2007-2015
- Holley Metering Limited's Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Zhejiang Bada Electronic Instrument's Smart Electric Meter Tenders Won from State Grid, 2011-2015
- Qingdao Gaoke Communication's Smart Electric Meter Tenders Won from State Grid, 2011-2015
- Global Marketing Network of Zhejiang Risesun Science and Technology

- Zhejiang Risesun Science and Technology's Smart Electric Meter Tenders Won from State Grid, 2011-2015
- Employees of Shenzhen Haoningda Meters, 2009-2015
- Revenue and Net Income of Shenzhen Haoningda Meters, 2009-2015
- Revenue Structure of Shenzhen Haoningda Meters (by Product), 2012-2015
- Revenue Structure of Shenzhen Haoningda Meters (by Region), 2009-2015
- Gross Margin of Shenzhen Haoningda Meters (by Product), 2009-2015
- Shenzhen Haoningda Meters' Smart Electric Meter Tenders Won from State Grid, 2010-2015
- Concentration Ratio of Smart Electric Meter Sector, 2010-2014
- Competitiveness Comparison between Smart Meters
- Development Course of Electronic Energy Meters in China
- Global Smart Grid Development by Region
- Global Smart Electric Meter Development Plan (by Region)
- Total Electricity Generating Capacity and YoY Growth in China, 2002-2016
- Intellectualization Investment Planning of State Grid by Link, 2011-2015
- Investment Structure of State Grid in Smart Grid by Link
- Policies on Smart Electric Meter and Smart Grid in China
- China's Electric Meter and Smart Electric Meter Shipments, 2008-2020E
- China's Major Smart Electric Meter Manufacturers
- Major Bid Winners of State Grid and Their Percentage, 2015
- Meter Bid Winners of China Southern Power Grid, 2015
- China's Smart Electric Meter Import Volume and Value, 2014-2016
- China's Major Smart Electric Meter (Single-phase) Import Sources, 2015
- China's Major Smart Electric Meter (Three-phase) Import Sources, 2015
- China's Smart Electric Meter Export Volume and Value, 2014-2016
- China's Major Smart Electric Meter (Single-phase) Export Destinations, 2015

- China's Major Smart Electric Meter (Three-phase) Export Destinations, 2015
- Main Communication Methods of Smart Electric Meters
- Application Trends of Smart Electric Meters
- Smart Electric Meter Tender Rules of State Grid, 2016
- Number of Smart Electric Meter Tenders of State Grid, 2009-2016
- Smart Electric Meter Tender Structure of State Grid, 2010-2016
- 2S Single-phase Smart Meter Tenders Won from State Grid (in Batches) in China, 2010-2016
- 1S Three-phase Smart Electric Meter Tenders Won from State Grid (in Batches) in China, 2010-2016
- 0.5S Three-phase Smart Electric Meter Tenders Won from State Grid (in Batches) in China, 2010-2016
- 0.2S Three-phase Smart Electric Meter Tenders Won from State Grid (in Batches) in China, 2010-2016
- Ningbo Sanxing Electric's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Ningbo Sanxing Electric's Output and Sales of Smart Electric Meters and Terminals, 2009-2015
- Gross Margin of Jiangsu Linyang Energy (by Product), 2009-2015
- Jiangsu Linyang Energy's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Wasion Group's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Sunrise Technology's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Hexing Group's Sales from Major Customers and Percentage, 2012-2015
- Hexing Group's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Sales Volume/Value of Hexing Group's Smart Electric Meters, 2013-2015
- Average Unit Price of Hexing Group's Smart Electric Meters, 2013-2015
- Main Economic Indicators of XJ Metering, 2011-2015
- XJ Metering's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Hangzhou Xili Meter Manufacturing's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Zhejiang CHINT Instrument & Meter's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Main Economic Indicators of Yantai Dongfang Wisdom Electric, 2009-2015

- Yantai Dongfang Wisdom Electric's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Beijing BANNER Electric Manufacturing Corporation's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Ningxia LONGi Instrument's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Shenzhen Jiangji Industrial's Smart Electric Meter Tenders Won from State Grid (in Batches), 2014-2015
- Shenzhen Clou Electronics' Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Revenue, Gross Profit and Gross Margin of Wuhan San Fran Electronics by Business, 2012-2015
- Output and Sales Volume of Wuhan San Fran Electronics by Product, 2012-2015
- Revenue Proportion of Wuhan San Fran Electronics by Region, 2012-2015
- Top Five Customers of Wuhan San Fran Electronics, 2014
- Top Five Suppliers of Wuhan San Fran Electronics, 2014
- Performance of Wuhan San Fran Electronics in Smart Electric Meter Tenders invited by State Grid (in Batches), 2014-2015
- Holley Metering Limited's Smart Electric Meter Tenders Won from State Grid (by Batches), 2011-2015
- Zhejiang Bada Electronic Instrument's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Qingdao Gaoke Communication's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Shenzhen Techrise Electronics' Smart Electric Meter Tenders Won from State Grid (in Batches), 2014-2015
- Revenue, Net Income and Gross Margin of Zhejiang Risesun Science and Technology, 2013-2015
- Smart Electric Meter Revenue of Zhejiang Risesun Science and Technology, 2013-2015
- Smart Electric Meter Gross Margin of Zhejiang Risesun Science and Technology, 2013-2015
- Top 5 Customers of Zhejiang Risesun Science and Technology, 2013-2015
- Top 5 Suppliers of Zhejiang Risesun Science and Technology, 2013-2015
- Zhejiang Risesun Science and Technology's Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Shenzhen Haoningda Meters' Smart Electric Meter Tenders Won from State Grid (in Batches), 2011-2015
- Smart Electric Meter Output and Sales of Shenzhen Haoningda Meters, 2011-2015
- Global and China Smart Electric Meter Market Size, 2012-2020E
- Smart Electric Meter Revenue and Gross Margin of Major Enterprises in China, 2015

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)2,400 USD
- Hard copy 2,600 USD
- PDF (Enterprisewide license)..... 3,800 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***

For any problems, please contact our service team at: