

KEHUA
TECH





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ABOUT KEHUA

30+ Years Power Conversion Expert



/ABOUT KEHUA

Business Layout

Critical Power

- Power Protection
- System Integration
- Power Management

Renewable Energy

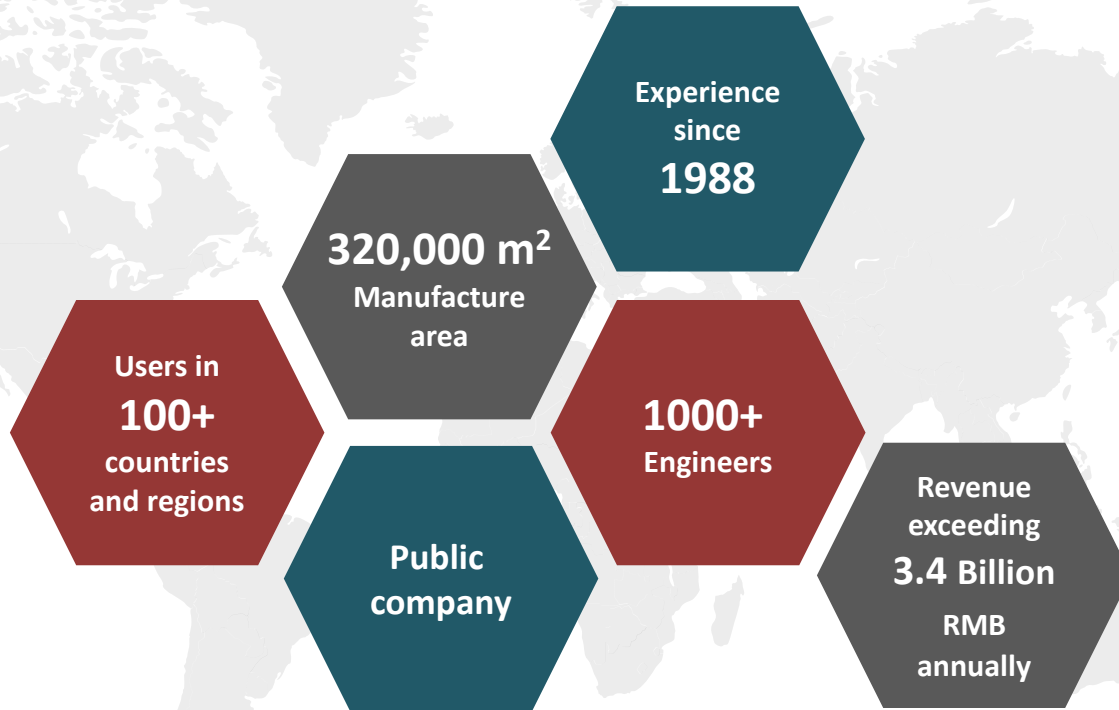
- PV Inverter
- ESS/Micro-grid
- EV Charging

Cloud Infrastructure

- Cloud Service
- Cloud Security
- Cloud Power

/ABOUT KEHUA

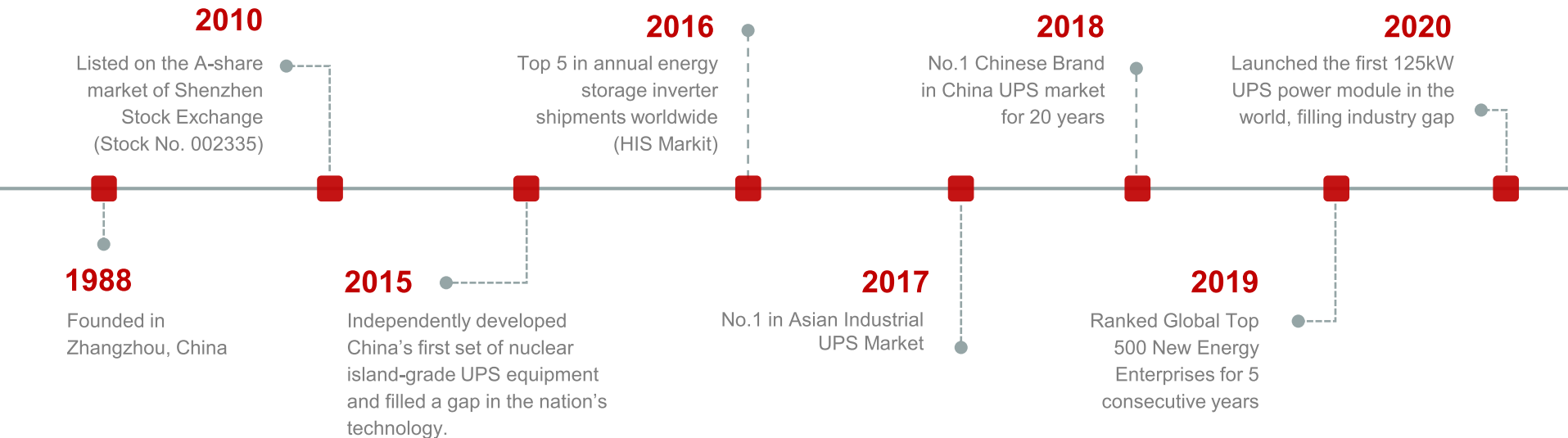
Snapshots



/ABOUT KEHUA

Milestones

Utilize 30+ years experience to fuel development of global customers.



/ABOUT KEHUA

Achievement

Critical Power



No.1

Domestic UPS brand
for 22 years

Renewable Energy



No.1

Market share of
behind the meter ESS
in China

Cloud Infrastructure



No.1

Market share of
modular data center in
China

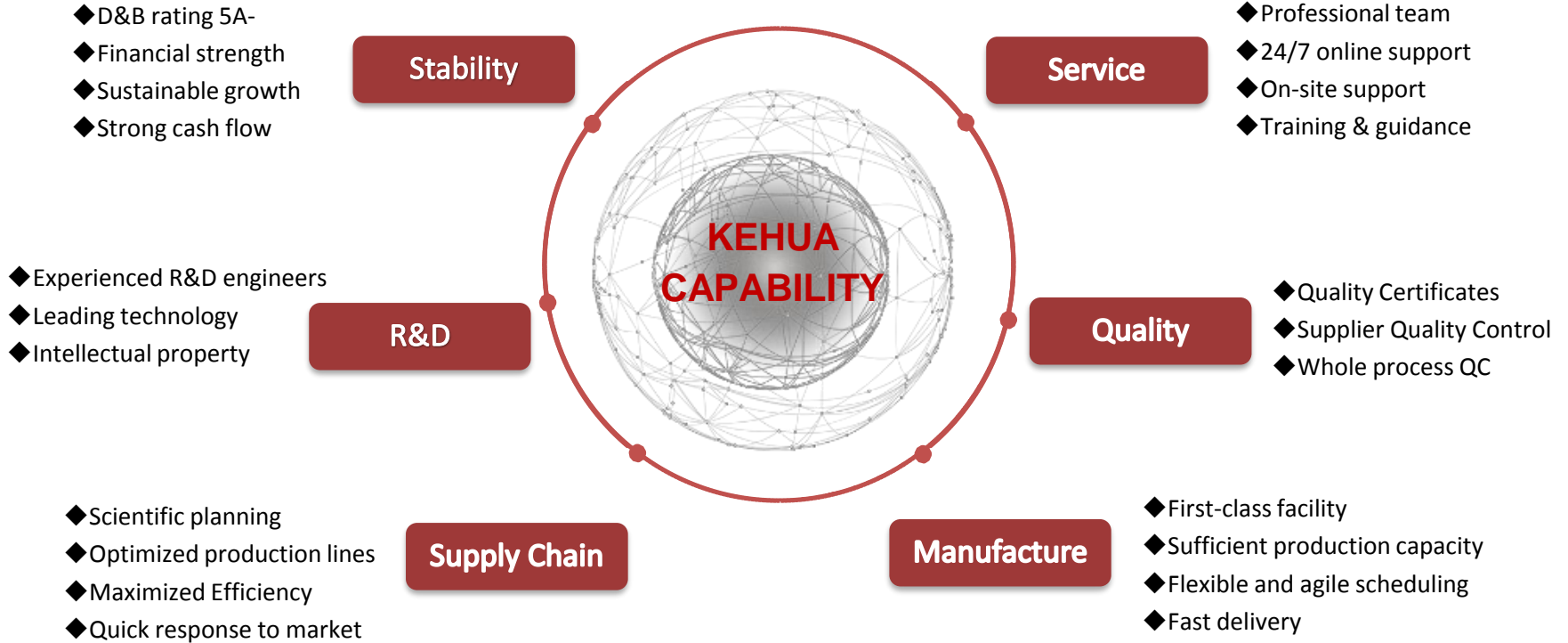
CAPABILITY

30+ Years Power Conversion Expert



/CAPABILITY

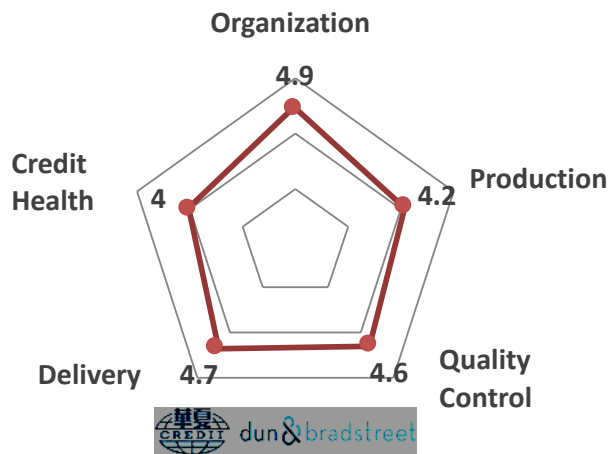
Overview



/CAPABILITY

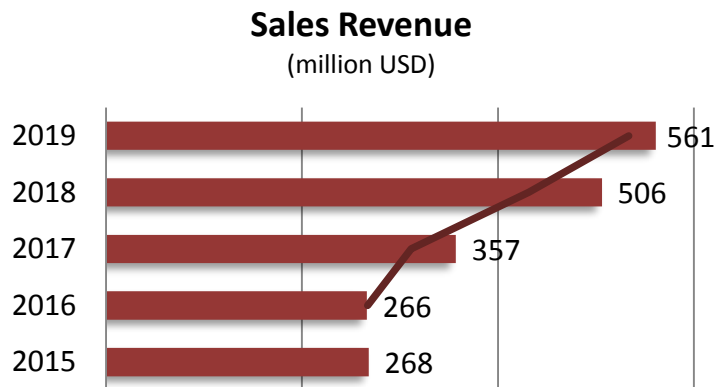
Stability

Financial Capacity



D&B Rating 5A⁺ = Superior financial capacity & credit condition
EMMA Score 3 = Moderate Low Risk

Revenue Growth



Net profit growth 174% in 2019
Strong cash flow (95.79% increase in 2018)

/CAPABILITY

R&D Strength



- **4** State Council Experts.
- **1000+** Engineers.

- Participate in **90+** national and industrial standards development.
- **800+** Patents & Copyrights.

- **40+** National/Provincial Torch Plan Project
- National key high-tech enterprises

- Postdoctoral Research Station
- United Lab with famous universities and laboratories around the world

/CAPABILITY

Supply Chain

Strict quality control leads to **reliable products**, which meet the quality requirements of high-end market.

Professional team to support **integrated procurement**, better service for **projects**



Optimized production line layout and operation mode to **strengthen delivery capacity**



Scientific planning and **efficient cooperation internal and external** to **shorten lead time** and achieve prompt delivery.

Process orientation and management innovation lead to **continuous cost reduction** and **improvement of product cost performance**

The combination of **job optimization, automation** and **information management** to continuously optimize processes, improve the system, and enhance work efficiency.

/CAPABILITY

Service

3A Service System - Assured Apropos Active



Training & Guidance

Empower technical engineers of partners with service abilities. Materials and seminars to assist installation, commissioning, product update etc.



24/7 Online Support

Based on the concept of full lifecycle service, we put responsiveness and responsibility before all else.



Onsite Support

Service network covers China, India, USA, France, Indonesia, South Korea and Vietnam. Quick response in local area.

PRODUCTS

30+ Years Power Conversion Expert



/PRODUCTS

Critical Power



Transformer-less UPS

KR Series, Single Unit 1-1200kVA



Transformer-based UPS

FR-UK Series, Single Unit 1-600kVA



Modular UPS

MR Series, Single Unit 50-1200kVA

/PRODUCTS

UPS - Special Application



Nuclear island class UPS
FR-UK-HD Series



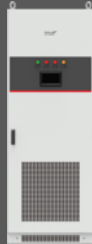
Power industry UPS
FR-UK31DL Series



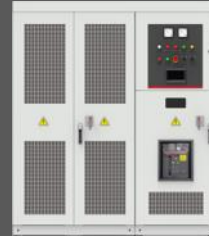
Rail transit power supply
FR-UK-GEL Series



**Industrial anti-vibration
power supply DC-BANK**



**Emergency Power
Supply**



**Double-fed subway brake
energy feedback device**



HVDC power supply

/PRODUCTS

String Inverter



SPI 3-6kW



SPI 5-20kW



SPI 30-60kW



SPI 250kW



WiseEnergy Monitoring System



AC/DC Combiner Box

/PRODUCTS

Central Inverter

1500Vdc/1000Vdc Central Inverter



Single Unit
500-1000kW

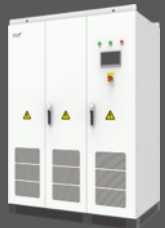


Container
0.8-6.8MW



Turnkey Solution
1-6.8MW (10kV/35kV)

1500Vdc/1000Vdc Centralized-distribute Inverter



Single Unit
1000-1700kW



Container
1-3.4MW



Intelligent
MPPT Controller

/PRODUCTS

Energy Storage

PCS



BCS 100-500kW



BCS 250-630kW

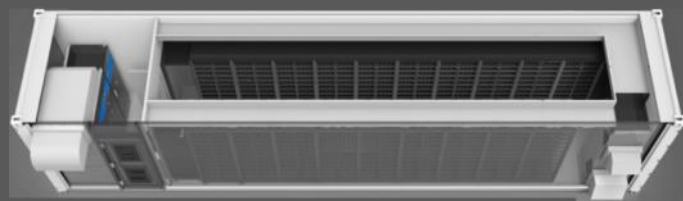


BCS-B-H 1250-1500kW



SPH 3000-5000

ESS



Containerized Energy Storage System



MW-level ESS



DC-DC

/PRODUCTS

EV Charging



Street Lamp AC Charger



AC Charger



Mobile Charger



Box Charging System



Integrated Charger
Single gun/Double gun



Split Charger
Single gun/Double gun



Charging Module



Charging Operation
Management Platform



APP

/PRODUCTS

Cloud Infrastructure



WiseCabinet
Mini Data Center



WiseRow
Small Data Center



WiseAisle
Modular Data Center

PUE<1.4

REFERENCES

30+ Years Power Conversion Expert



Power solutions for

Brunei Hengyi PMB project

world's largest petrochemical industry base.



Pemex Mexico, the largest oil company in Mexico, adopted KEHUA UPS for production control system

High power UPS system for the drilling platform of **China National**

Offshore Oil Corporation



KEHUA UPS applied in **Gazprom Neft Russia**, one of the Top3 oil refining companies in the nation.

ENERGY & CHEMICAL INDUSTRY

Contributions to the accuracy and safety of energy & chemical production and distribution. KEHUA solutions have been recognized by leading companies in the industry.

TRANSPORTATION INDUSTRY

40+ Cities.

100+ Routes.

Over 35% market share of
critical power for rail
transportation.

Increasing participation
overseas.

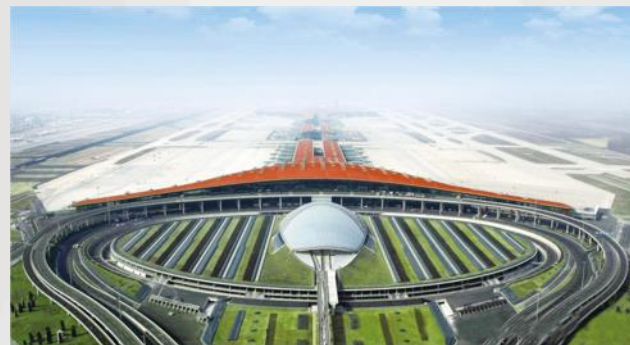
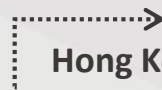
Power protection for the control system of
Ethiopia railway.



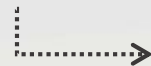
KEHUA high power UPS adopted by
Faleolo International Airport.



Power solution for
the port security system of
Hong Kong-Zhuhai-Macao Bridge.



Power solution for
Beijing Capital Airport Terminal 3,
the largest single terminal in the world.



Moscow Institute of Health

Medical Center adopts KEHUA UPS for medical equipment.

KEHUA high power UPS in Sweden Hospital.

MEDICAL INDUSTRY

Proven reliability in tandem with precision medical instruments. KEHUA UPS is widely adopted by clinics and hospitals in China, Russia, Sweden, Indonesia, Burma etc.



KEHUA UPS ensures power supply for clinics in Russia.

PUBLIC SERVICE

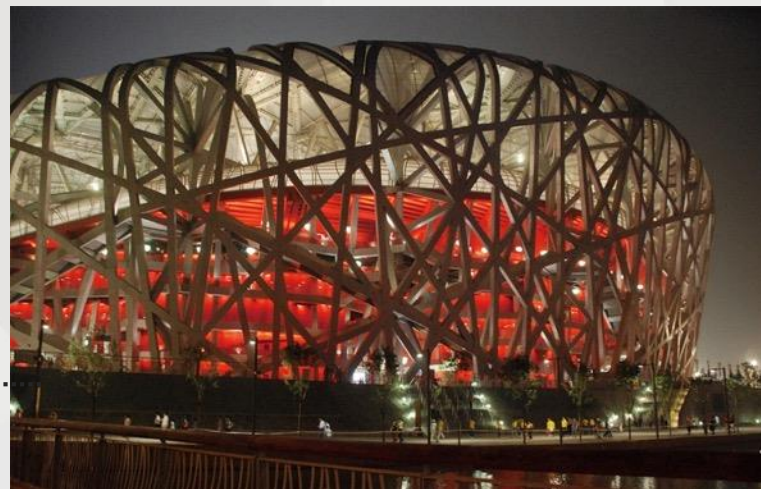
Participation in international events and summits to ensure reliable power supply.

High power UPS for
2010 Shanghai World Expo

KEHUA UPS systems for
2010 Angola Africa Cup



KEHUA power solution for
2008 Beijing Olympic Games





↓
KEHUA UPS is applied in the network security system of **Sberbank Russia**, a state-owned banking and financial service company headquartered in Moscow.

→ 10-80kVA UPS system for **Guangfa Securities** to expand server capacity and computer terminal.



← KEHUA UPS system has been used in the **People's Bank of China** since 1990s.



→ Power supply system for **telecom operators** in Bangladesh.

FINANCE INDUSTRY

KEHUA has been serving finance and banking users for over 30 years, solutions ranging from single equipment to vast systems designed for large data centers.

MANUFACTURING INDUSTRY

KEHUA UPS is widely applied in the manufacturing of automotive, textile, food, pharmaceuticals, industry materials etc.

UPS system for the
assembly plant
of **Ford Motor
Company** in
Johannesburg,
South Africa.



Power solutions for **Royole**, the world first **production line** of the 6th generation screens with flexible display



KEHUA UPS applied in the factory of **Levi's Jeans** in Sri Lanka



200MW 1500V PV project in India.

Accumulative installation 400MW+



100MW PV power plant in Orenburg, Russia.

KEHUA SPI800K central inverters was adopted.



Top Runner project in Delingha,

Qinghai-Tibet Plateau. Height 3,050m.

Temperature -27.9°C.



PV POWER STATION

KEHUA central inverters are widely applied in the PV power stations in various countries due to the features of cost-effectiveness, reliability and high electric power quality.

Rooftop PV Power Plant
in **Indonesia**

2MW PV Power Plant Project
in **South Korea**

DISTRIBUTED PV POWER STATION

KEHUA string inverters are widely applied in industrial & commercial sector to fuel sustainable development of small and medium-sized enterprises.

Rooftop PV Power Plant in
San Francisco, USA





Peak load shifting ESS
project in **North America**



Micro-grid Project
in **Madagascar**

720MWh Energy Storage Power Station Project in **Gansu, China**

ENERGY STORAGE

One of the development focus of KEHUA. Technological advantage leads to market expansion and customer loyalty.

RESIDENTIAL PV & ENERGY STORAGE

The excellent performance of KEHUA products has been recognized by customers around the world. We are committed to endow every family with the ability of intelligent power management and build a clean future for us all.

Residential 3.6kW+2kWh
energy storage project in **Italy**.

Residential PV inverter applied
in **Australia**.



Residential 3.6kW+2kWh
energy storage project in
Argentina.



PV+ SOLUTIONS

“PV+” model would be a reform to the energy market. With leading technologies and excellent products, KEHUA is able to provide comprehensive energy solutions and create one-stop service experience for customers.

PV + Transportation
Guangzhou Yuzhu Roof
Distributed PV Power
Generation Project.



PV+ESS 1.2MW power supply system for
an oil field in Uzbekistan.

PV+ESS+EV Charging in Shenzhen, China.
Breaks the bottleneck of green bus charging.

9.6MW charging station
in **Shanghai**.



Xiamen Municipal Engineering Project,
total charging power **exceeding 3MW**.



Super Charging station in Wuhan



Listed supplier for **China City Alliance Project**
in Shanghai, Shenzhen, Xiamen with Top developers

Bus charging station
in Longyan City

EV CHARGING

Sufficient experience on government and commercial projects in China. Proven performance and excellent service drive expansion in overseas market.



Guangzhou Keyun
Cloud Computing Center

Shanghai
Cloud Computing Center

SELF-BUILT DATA CENTERS
5 self-built IDC under independent operation,
cover more than 190,000m² in 3 major cities of China,
with 16,000+ racks of construction.

Beijing Yizhuang
Cloud Computing Center

Guangdong Dongyong
Cloud Computing Center

Guangdong Mingmei
Cloud Computing Center



43 sets micro-modules for China Telecom (Jishan) Data Center Phase I.



MICRO-MODULES

KEHUA micro-modules are customized according to needs of projects, with proven features of energy-saving, reliability and convenience of operation & maintenance.



45 sets micro-modules for BaoCloud IDC Project Phase IV.



232 sets micro-modules for China Mobile (Nanjing) Data Center Phase I.

KEHUA PARTNERS

Top class clients
and partners
cover almost all
industries



STATE GRID
CORPORATION OF CHINA

HYUNDAI
ELECTRIC



CEEC
中国能建
ENERGY CHINA

amazon

Tencent 腾讯



IBM

JinkO Solar

JA SOLAR

LONGI

Trinasolar
天合光能



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科技精英
精英作业