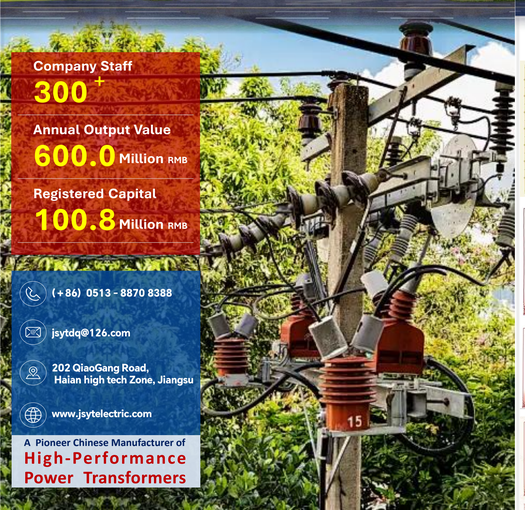
YUANTONG ELECTRIC
Corporate Brochure

In 1991





Company Staff
300+

Annual Output Value
600.0 Million RMB

Registered Capital
100.8 Million RMB

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A Pioneer Chinese Manufacturer of
High-Performance Power Transformers



we focused on the **research** and **production** of transformers, laying the foundation for the development of **transformer manufacturing**.

special transformers | **current** transformers | **rectifier** transformers

1991 started as a small business

01 Professional Certification





Nantong Julong Electrical Equipment Co., Ltd. was officially established. **The comprehensive manufacturing capacity steadily improved.**

dry-type transformers | **oil immersed** transformers | **various special** transformers

1998 the enterprise restructuring was completed

02 Production Workshop Picture Display





After **ten years** of deep cultivation and sedimentation, **seizing the opportunity** of government investment promotion, we relocated to202 Qiaogang Road.

10000+ square meters | **Standardized** a new stage | **large-scale** development

2008 Established Jiangsu Yuantong Electric Co., Ltd.

03 Our Professional Team



40+ Power Technicians
More than **10** undergraduate students and **3** doctoral students

20+ Professional Certifications

60+ Million U.S. Dollars
Annual Sales Revenue

10+ Million U.S. Dollars
Annual Export Sales Revenue



an intelligent factory
embarked on a new journey of high-quality development.

53000+ square meters


production line automation


logistics automation


data information flow automation

2025 enterprises upgraded and expanded again

04 Marketing Network

Our products are exported to multiple countries overseas

We can also customize and develop various special transformers according to customer needs to meet diverse application scenarios.



Service scope
serving **270 million** people
covering **1 million** square kilometers
Guangdong, Hainan, Guangxi, Hong Kong, Yunnan, Macao, Guizhou

Core mission
Operating the national West-East Power Transmission grid
ensuring safe and stable power supply in southwest China
promoting green grid construction with new energy integration

Industry position
Top-tier power transmission and distribution leader
maintaining high-standard access requirements for power grid engineering
with stringent demands on transformer equipment quality, safety, and energy efficiency

Partnership endorsement
Yuantong Electric has been selected as a qualified supplier of CSG, with its products strictly aligned with CSG's high-engineering standards and certified for quality.





China Southern Power Grid (CSG) – a national-level state-owned energy enterprise directly under the supervision of the State-owned Assets Supervision and Administration Commission (SASAC) of the State Council, established in 2002.

YUANTONG ELECTRIC
Subdivided Items 01



customs clearance assistance | Complete logistics assistance | Russian language technical documents

05 Mining & Metallurgy



Power supply for coal shearers, roadheaders, conveyors in underground coal mining faces and gassy mines where explosive atmospheres exist.

Mining Flameproof Dry-Type Transformer

Our design highlights	Flameproof, no gas ignition
Dry-type, oil-free	Compact for narrow spaces



Electric arc furnaces, ladle furnaces, submerged arc furnaces for steelmaking, ferroalloy and calcium carbide production.

Electric Furnace Transformer

Our design highlights	Surge/short proof
Multi-tap voltage	High overload



Non-ferrous smelting (aluminum, copper, zinc electrolysis) and chlor-alkali chemical processes requiring high-power DC supply.

Rectifier Transformer

Our design highlights	Smooth DC control
Multi-pulse, low harmonic	DC bias immune



High-temperature, dusty, humid or corrosive environments in steel rolling and foundry workshops.

Class H Insulation Dry-Type Transformer

Our design highlights	200°C heat rating
High overload margin	Maintenance-free



Sites with severe voltage fluctuations in mining grids, feeding crushers, hoists, main fans.

On-Load Tap-Changing Power Transformer

Our design highlights	On-load tap change
Stable output	Prevents motor burn



Power supply for crushers, conveyors, ventilation systems and camp facilities in open-pit mining sites

Mining Pad-Mounted Transformer (U.S. Style)

Our design highlights	Compact, space-saver
Fully sealed, dustproof	Withstands harsh dust

YUANTONG ELECTRIC
Subdivided Items 02



Freeze-Proof to -45°C | High-Altitude Ready | Built-In Harmonic Filtering

06 Agriculture & Water Irrigation



Pole-mounted outdoors in rural areas, powering irrigation pumping stations, wells, small processing plants.

Fully Sealed Oil-Immersed Distribution Transformer (Agricultural Type)

Our design highlights	Fully sealed
Maintenance-free	Anti-theft design



Starting submersible pumps in deep wells and large irrigation pump stations where long cables cause voltage drop and hard starting.

Auto-Transformer Reduced-Voltage Starter for Submersible Pump

Our design highlights	Reduced starting current
Built-in timing	No soft-starter needed



Agricultural grids with heavy harmonic pollution (many VFDs, LED insecticidal lamps), feeding sensitive VFD pump controllers and smart irrigation systems.

Isolation Transformer (For Rural Grid)

Our design highlights	Galvanic isolation
Lowers neutral-earth voltage	Surge protection



Large irrigation districts, cotton gins, grain drying centers needing centralized power supply and distribution.

Compact Substation (European / Chinese Style)

Our design highlights	Integrated HV/LV
Small footprint	Euro/Chinese style



Highly scattered rural settlements in Central Asia, Eastern Europe, supplying a few to a dozen households.

Single-Phase Pole-Mounted Transformer

Our design highlights	Low-cost single-phase
Small capacity, low loss	Pole-mounted



Temperature/humidity control systems, fans and heaters in grain storage, seed cold stores and greenhouses.

Dry-Type Distribution Transformer (Indoor Type)

Our design highlights	Flame-retardant, oil-free
Moisture/dust proof	Quiet operation

YUANTONG ELECTRIC
Subdivided Items 03



Ultra-Stable Voltage Output | Direct-Fit to Legacy Soviet Units | 30-Year Sealed, Zero Maintenance

07 Scientific Research & Precision Laboratories



Power supply for mass spectrometers, electron microscopes, MRI

Medical/Laboratory Grade Ultra-Isolation Transformer

Our design highlights	Double electrostatic shield
High common-mode rejection	Protects mass spec / MRI



For precision measurement platforms, analog circuit experiments

High-Precision Special Transformer

Our design highlights	Special ferroresonant design
Pure sine output	No moving parts



Power for data centers, computer clusters, data acquisition systems

Shielded Isolation Transformer for Data Centers & Labs

Our design highlights	Triple-layer shielding
Ultra-low neutral-ground	For servers / data loggers



Dielectric breakdown tests, cable hi-pot tests, PD research

High-Voltage Testing Transformer

Our design highlights	Dielectric withstand test
Insulation research	Meets institute needs



Stepped voltage supply for materials research, physics platforms

Multi-Tap Variable Ratio Transformer

Our design highlights	Manual or motorized
Stepped voltage adjust	For physics / materials



With UPS, provides clean backup power for supercomputers, monitoring gear

UPS Interface Isolation Transformer

Our design highlights	Seamless UPS integration
Galvanic isolation	Clean backup power

YUANTONG ELECTRIC
Subdivided Items 04



Mobile Substation, Rapid Deploy | Ultra-Low Loss, Energy Saving | Grid-Ready for Hydro & Solar

08 Urban Infrastructure & Heating



Replacing old Soviet-era transformers in urban distribution grids, residential districts, street lighting.

S13/S14 Level 1 Energy Efficiency Fully Sealed Oil-Immersed Transformer

Our design highlights	60% lower no-load loss
30-year maintenance-free	Meets energy efficiency tender



Basements of high-rise residential buildings, hospitals, shopping malls, data centers – crowded places with strict fire safety requirements.

SCB Series Epoxy Resin Cast Coil Dry-Type Transformer

Our design highlights	Flame-retardant, oil-free
Cast coils, moisture/dust proof	High overload, natural cooling



Heat exchange stations, district boiler houses, central heating stations – operating continuously at full load for over five months during heating season.

Low-Loss Transformer Dedicated for District Heating

Our design highlights	Low no-load loss design
100-120% long-term load	Cold start -40°C



Main urban grid substations stepping down 66kV or 110kV to 10/20kV – coping with large day-night voltage swings.

On-Load Tap-Changing Power Transformer (66/110kV)

Our design highlights	On-load tap changing
Stabilizes grid voltage	Strong short-circuit withstand



City roadsides, parks, high-end residential compounds – where substations must blend with the landscape.

High/Low Voltage Prefabricated Substation (Landscape Type)

Our design highlights	Customizable landscape enclosure or motorized
Low noise & low radiation	Prefabricated, quick installation



Hospital operating rooms, government buildings, airports, fire rescue stations – critical loads demanding virtually uninterrupted power.

Automatic Transfer Switch Pad-Mounted Substation

Our design highlights	Built-in ATS, ms switchover
Anti back-feed interlock	Integrated, space-saving

Field Showcases





















YUANTONG ELECTRIC
Corporate Brochure

Every Industry
Every Transformer
One Factory

