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CHINT GLOBAL



Founded in 1984, CHINT Group Co., Ltd. (CHINT) is a global leading smart energy solutions provider. With more than 40 years of industry expertise, CHINT has remained committed to industrial innovation and brand excellence. Our company drives progress through five strategic pillars: industrialization, technological advancement, global expansion, digital transformation, and platform development.

CHINT operates across three core sectors—Green Energy, Intelligent Electrical Solutions, and Smart Low-Carbon Solutions—supported by two key platforms: CHINT Global and Sci-Tech Innovation Incubation. Its extensive business network spans more than 140 countries and regions, powered by a global workforce of over 50,000 employees.

In 2024, CHINT achieved USD 25 billion in revenue and has maintained its position among the Top 500 Chinese Enterprises for over 20 consecutive years. Notably, CHINT Electrics became China's first publicly listed company specializing in low-voltage electrical appliances, reinforcing its industry leadership.



USD 25 Billion

Annual Revenue, CHINT Group



140+

Business Coverage in Countries and Regions



40 +

Global Subsidiaries



USD **27.7** Billion

Total Assets, CHINT Group



3%-**12**%

Annual R&D Investment Obtained from the Percentage of Sales



50,000+

Global Employees



15%

YoY Revenue Annual Growth, CHINT Global



10,000+

Accumulated Authorized Patents



68%+

Localization Rate of CHINT Global Employees









































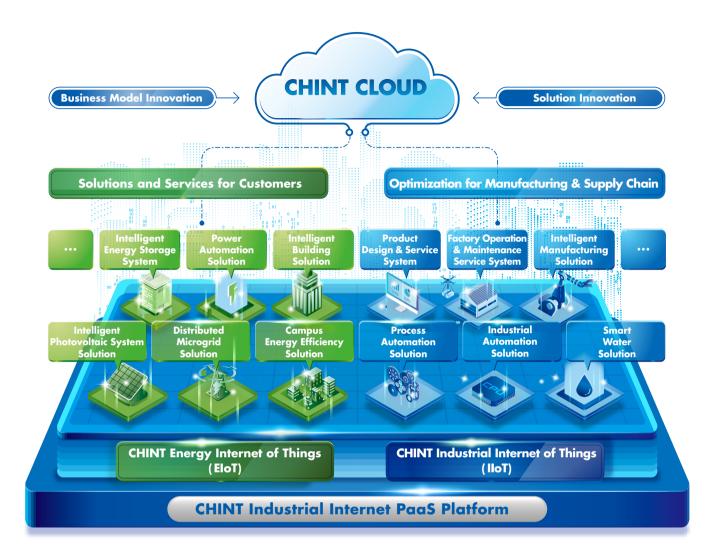








ONE CLOUD & TWO NETS STRATEGY



Energy system optimization is an inevitable trend against the background of resource shortage, environmental pollution and climate change – three challenges faced by global energy development. To keep in line with the trend, CHINT actively implements the business strategy of One Cloud & Two Nets, continuously promotes the deep integration of big data, IoT, Al and manufacturing industry in stages to become a platform-based enterprise, and leads the new direction of industry development.

As a medium of smart technology and data applications, CHINT Cloud connects corporate in-house manufacturing with operation and management data, realizing digital applications and services both internally and externally.

As a user-centric multi-energy complementary smart energy system, CHINT EloT provides a package of energy solutions for governments, industrial & commercial users and end users. Its business includes Smart Energy Efficiency, Smart Power, Smart Home and Smart Clean Energy, etc.

As a smart manufacturing system based on corporate digital transformation, CHINT IIoT constitutes a flexible, high-efficiency and intelligent industrial system. Its business includes Intelligent Manufacturing, Intelligent Industry, Smart Water, Smart Heating, etc.

GLOBAL FOOTPRINT

Business Covering

Countries and Regions

Global Subsidiaries

Global Manufacturing Bases

2,300+



Global Distributors

68%



Localization Rate of Global Employees



Sunlight Singapore & Malaysia



Main Products: Low-voltage Switchgears

Sunlight



Main Products: MSB, MCC, SDB, DB, CU, Fire Pump Panel, Weatherproof Panel, String Combine Box, Solar Switchboard

SchneiTec CHINT





Main Products: MV Equipment including 22kV Distribution Transformer, Switchgear, Smart RMU, Capacitor Bank

Metering Factory

Uganda

Solar Factory

Thailand

Meter Factory

Mexico

Meter Factory

Kenya



Main Products: Meters



Main Products: PV Module, PV Cell



Main Products: Smart Meters



Main Products: Smart Meters







Main Products: RMU and Intelligent Power T&D Products of 33kV and below

China



Main Products: Low-voltage Components

Haining Solar

Wenzhou Low-voltage China **Intelligent Factory**

Switchgears



Main Products: Low-voltage Components

Power T&D **Shanghai Factory**



CHINT ATC

Main Products: Power Transformer, GIS, MV and LV Switchgear, HGIS, HV Circuit Breaker, Disconnector

Power T&D **Jiaxing Factory**

Saudi Arabia



China

Main Products: MV and LV Switchgear, Main Products: PV Module, PV Cell C-GIS, MV Circuit Breaker, Prefabricated Substation



China





Natural Ester Oil-immersed Power Transformer

Natural ester oil-immersed power transformer is a full range of 750kV and below voltage power transformer designed and developed by CHINT in recent years, and has passed KEMA and other third-party type test certification, which can be used in photovoltaic booster power stations and power transmission and transformation supporting smart grids.

It has the characteristics of environmental protection, friendly, intelligent, low partial discharge, safety and reliability, and fully meets the requirements of users.

Leading the world in short-circuit testing.



Feature: The use of high-quality materials, noise reduction solutions, perfect technical.

Advantage: Low loss, low noise, low discharge, high short circuit withstand.

Benefit: Save operating costs, maintenance free.



Feature: Use natural ester or synthetic ester oil.

Advantage: Degradable and degradation rate of 99%, environmentally friendly. The ignition point is more than 340 degrees Celsius, about twice that of mineral oil.

Benefit: More environmentally friendly and safer.





Oil-immersed up to 35kV



Feature: Iron core is made of high quality silicon steel.

Advantage: Provides good magnetic conductivity and low loss.

Benefit: By reducing energy loss, reduces power waste, also reduces long-term operating costs for users.



Feature: Mineral oil transformer.

Advantage: The technology is mature and the cost is economical.

Benefit: Provides a reliable option for projects with limited budgets while maintaining high performance standards.



Feature: Natural ester transformer.

Advantage: Good biodegradability, high flash point, excellent electrical performance.

Benefit: Enhanced safety and environmental performance, especially where fire protection requirements are stringent or environmental protection needs to be considered, providing a safer and more environmentally friendly option.



Feature: Fully enclosed corrugated tank structure design.

Advantage: Fully sealed structure, maintenance free, small size.

Benefit: Reduced maintenance costs, small footprint, suitable for applicatio with limit space.





Dry-type Power Transformer up to 35kV



Feature: High mechanical strength and strong short-circuit resistance.

Advantage: Ensures transformer stability and durability even under extreme conditions.

Benefit: To provide users with long-term reliable service, reduce the failure rate.



Feature: Low loss and low noise design.

Advantage: Improves energy efficiency while providing a quiet operating environment.

Benefit: Helps users reduce operating costs and improve working conditions, especially in noise-sensitive areas.



Feature: good heat dissipation performance and strong overload capability, the capacity can be increased when forced air cooling

Advantage: Normal operation is guaranteed even under high temperature or load exceeding the rated value.

Benefit: Enhanced transformer adaptability and flexibility to provide additional power support in emergency situations to meet temporarily increased power demand.



Feature: Materials and technologies with excellent fire resistance.

Advantage: Significantly reduces the risk of fire.

Benefit: To provide users with higher safety standards, especially in environments with stringent fire protection requirements.



SKID Solution

With the development of renewable energy and distribution networks, projects are often located in remote or harsh environments, with difficult & long-term on-site construction. The industry needs a standardized solution with high prefabrication and integration to solve these problems. Skid is suitable for rapid deployment, temporary power supply, and space-limited situations.

CHINT Skid Solution is an integrated solution which is designed and manufactured according to IEC 62271, combines switchgears, transformer, monitoring units, etc. All main components are CHINT brand. CHINT provides turn-key solution from pre-design to installation guidance.



Feature: Medium-voltage up to 40.5kV, low-voltage up to 1.14kV, and capacity up to 12.5MVA. Dual or triple-winding transformer and multiple structural models.

Advantage: Flexible customization.

Benefit: Cater to diverse needs.



Feature: Working temperature range -40°C to +55°C, enclosure corrosion resistance rated C5-M, protection level up to IP54.

Advantage: Protected from harsh environments.

Benefit: Adapt to extreme conditions.



Feature: Own brand main components pass third party type tests, with stable and reliable supply chain, ready for delivery 2-3 months after drawing approval.

Advantage: Excellent quality control, fast and stable delivery.

Benefit: Safe and reliable, fast and efficient.



SF6 Free RMU

In the context of the global response to climate change and the accelerated push for "carbon neutrality," the high environmental performance of electrical equipment has become a core industry issue. SF6 gas, widely used in traditional ring main units, is gradually being phased out by regulations in various regions due to its significant greenhouse effect.

CHINT, in line with international trends, has launched eco-friendly ring main units. These RMUs use dry air as the insulating gas and feature optimized electric field design. While ensuring insulation performance and safety, meeting the demand for the green upgrade of global power grids, implementing ESG responsibilities.



Feature: Dry air insulated switchgear with ultra-low global warming potential (GWP < 1).

Advantage: Innovative eco-friendly design actively reduces carbon footprint.

Benefit: Meets global environmental policy requirements and supports sustainable energy goals.



Feature: Rated relative pressure of 0.05MPa, can work normally even at ZERO gauge pressure.

Advantage: Utilizes proven gas tank welding technology for exceptional sealing and reliability.

Benefit: Minimizes gas leakage risks and guarantees continuous, stable power supply, reducing downtime risks.



Feature: Equipped with comprehensive mechanical interlocking.

Advantage: Ensures standardized workflows and prevents accidental operation.

Benefit: Ensures safety and reliability for operators and systems.



Feature: Fully sealed and insulated structure with high endurance switching components.

Advantage: Maintenance free within a 30-year design life.

Benefit: Reduces maintenance time and costs, maximizes long-term operational efficiency.





NGC5 (Low Voltage Switchgear)

■ Certificates: TUV/CE

Rating current up to 6300A

Icw up to 100kA/1s

■ Up to IP43

■ 50/60Hz



Feature: Special ventilation channel design.

Advantage: Achieve excellent natural ventilation system.

Benefit: Reduce temperature rise and ensure safety.



Feature: Modular design of drawer units.

Advantage: Rapid maintenance and expansion.

Benefit: Reduce maintenance and upgrade cost.



Feature: Flexibly matched with intelligent components.

Advantage: Achieve remote operation and maintenance.

Benefit: Intelligent operation and maintenance, improve power safety, reduce customer operation and maintenance costs.



Power Transformer













Rated Power: Up to 1000MVA Rated voltage: Up to 1000kV Standard: IEC, IEEE, AS, BS, etc.

Wide Application: Export to more than 120 countries and regions

- High security and reliability in operation
- Economic and efficient to reduce network loss and operation cost
- Compact design, Low noise and light in weight
- Competitive short delivery time

Shunt Reactor



Rated Power: Up to 250MVAr Rated voltage: Up to 750kV

Standard: IEC, IEEE, AS, BS, etc.

Wide Application: Export to more than 120 countries and regions

KEMA

Variable Shunt Reactor



Rated Power: Up to 250MVAr Rated voltage: Up to 750kV

Standard: IEC, IEEE, AS, BS, etc.

Wide Application: Export to more than 120 countries and regions

KEMA

Mobile Substation



Rated Power: Up to 120MVA

Rated voltage: Up to 245kV

Standard: IEC, IEEE, AS, BS, etc.

Wide Application: Export to Italy, Brazil, Honduras etc.



HV Switchgear-GIS



Hybrid Compact Switchgear(HGIS): Up to 252kV

Gas Insulated Switchgears(GIS): Up to 550kV

- Reliable disconnector
- Perfect tightness
- Reliability insulator
- High adaptability

KEMA

KEMA

HV Switchgear-AIS



HV CB, DS, ES: Up to 252kV

- SF6 Circuit Breaker (Live & Dead tank)
- Disconnector (Horizontal & Vertical)
- Earthing Switch

MV Switchgear



MV Switchgear up to 40.5kV

• C-GIS: 12kV, 24, 40.5kV

• RMU: 12kV,17.5,24,40.5kV

• AIS: 12kV,17.5,24,40.5kV



Ex9ASD DC Series Air Switch Disconnector



Frame current: 2500A, 4000A

Rated voltage: DC750V(3P), DC1000V(4P), DC1500V(4P)

More Safety: Insulation voltage up to 1600V

Wide Application: Utilization Catagory includes DC-22A, DC-23A, DC-PV2

Long Electrical Durability: DC750V: ≥ 5000 times, DC1500V: ≥ 3000 times





Ex9A-HU Air Circuit Breaker



Frame current: 2500A, 4000A

Rated voltage: AC 800V, 1000V, 1150V

Number of Poles: 3P. 4P

High short circuit capabilities: Ultimate, service and withstandable short circuit currents up to

75kA in 800VAC IT networks

High Reliability: The highly reliable Ex9A is tested and verified under extreme conditions

Powerful Functions: The smart contoller support LSIG protection, detailed measurements and

monitoring of the grid and other advanced features and other advanced functions.



Ex9I(Z) HV Series Switch Disconnector



Frame size: AC Ex91-HV: 250A, 630A; DC Ex91Z HV: 320A, 630A

AC Ex91-HV: 250A, 630A; DC Ex9IZ HV: 320A, 630A

Rated voltage: Ex91-HV: AC380/690V, AC800V, AC1000/1140V; Ex91Z-HV: DC1000V, DC1500V

Number of Poles: 2P, 4P, 6P

Higher Voltage: The maximum voltage can reach 1500VDC, 1140VAC. It reduces the power

losses of photovoltaic system

Trustable stability: Rated short-time withstand current is up to 10kA/1s for 630A

Wide Application: Suitable to be applied in scenarios where reverse current and overload may occur



Ex9MD HV Series Moulded Case Circuit Breaker



Frame current: 630A Rated voltage: DC1500V Number of Poles: 2P

Compact Size: The product width is only 98mm, effectively save the space of combiner box

Safe and reliable: The short-circuit breaking capacity can reach up to 15kA, reliably cut off the

short-circuit fault current under DC with zero arc flash







Ex9M HV AC Series



Frame current: 250A, 630A

Rated voltage: 690/800/1000/1150V AC

Number of Poles: 3P

Dedicated design: The maximum working voltage can reach up to AC 1150V and insulation

voltage is up to AC1250V

High Breaking Capacity: The ultimate short-circuit breaking capacity is rated at 50kA@AC690V

and 50kA@800V, cover the most of protection requirement in PV system



Ex9BP Series DC Miniature Circuit Breaker



Rated current: 10~63A Rated voltage: DC 1000V Number of Poles: 2P, 4P

Dedicated design: Thanks to its polarity independency design, Ex9BP are suitable for photovoltaic

and energy storage applications up to DC1000V with non polarity feature

Flexible Accessories: It can be combined with wide range of accessories including auxiliary and signal

contacts, shunt trip release and undervoltage release









Ex9FP30H Series DC Fuse



Rated current: 2~30A Rated voltage: DC 1500V

Number of Poles: 1P

Higher Voltage: Rated voltage 1500 VDC suitable for protection of solar system with higher voltage High Breaking Capacity: Rated short-circuit breaking capacity Icn is up to 20 kA, capable to

protect against short circuit of PV strings

More convenient: Modular product design, guide rail installation, easy to replace the fuse-link







Ex9UEP Series DC SPD



• Max continuous operational voltage UCPV from 500 to 1500 V DC

- Nominal discharge current In 20 kA (8/20 μ s) per path
- Maximum discharge current Imax 40 kA (8/20 μ s)
- Impulse discharge current limp 6.25 kA (10/350 μ s)

Wide application: De-signed and tested according PV I+II and II class from EN 61643-31 standard User friendly: Indication front window helps users to know the status of device and remote-signal port is able to provide remote indication and alarm. Plug-in module design make it convenient to change module without device disconnection



Ex9IR Series Switch Disconnector



Rated voltage: DC1500V Rated current: 13A-125A

Utilization Category: DC-PV1, DC-PV2

Outstanding performence: The double Breaking Technique improves the making and breaking capacity of the product and makes the isolation more reliable in the DC high-voltage application environment Modular Design: Increasing or decreasing the load circuit is optional, saving installation space



Ex9C Series Contactor



Rated voltage: 1000V (max) Rated current: 06A -1450A Frequency: 50/60Hz

Wide application: The rated working voltage is up to 1000V, and the rated working current is up

to 1450A under the AC-1/1000V utilization category

Excellent reliability: The dust-proof design greatly improves the reliability of the contacts

Easy wiring: The coil can be wired at either the top side or the bottom side

Strong extensibility: The built-in auxiliary contacts that can be 2NO+2NC, meeting the design

requirements of various circuits







Smart Meter DDSU666-G/DTSU666-G Series



Rated voltage: 230V, 400V

Interface: RS485 Protocol: Modbus-RTU

Baud rate: 1200/2400/4800/9600/19200/115200 bps

Special for PV and BESS: Bi-directional measurement for kW and kWh

Multi-measurement: kWh, W, V, A, PF, Hz, etc

Fast responding for 0-injection: Active power refresh rate is about 50ms

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