CLYH

Nanjing, Jiangsu, China
Gold Supplier · TÜV Rheinland Verified

PRODUCT CATALOG · NORTH AMERICA

Power Distribution Transformers

Oil-Immersed · Dry-Type · Compact Substations
Designed for North American Markets — 60 Hz, ANSI/IEEE & DOE 2016 Compliant Configurations

60 Hz | ANSI / IEEE C57 | IEC 60076 | DOE 2016 Efficiency | ★ FORTUNE 500 SUPPLIER | 10 kVA – 50 MVA | OEM / ODM





Oil-Immersed



Dry-Type / Cast-Resin



Box-Type Substations

Nanjing Chaolian Yunhe Technology Co., Ltd.
2026 Edition · njclyh.en.alibaba.com

Catalog for the North American Market
All configurations customizable per project

ABOUT THE MANUFACTURER

Company Profile

Nanjing Chaolian Yunhe Technology Co., Ltd. (CLYH) is a national high-tech enterprise founded in 2014, headquartered in Nanjing with its production base in Hai'an, Jiangsu Province — a major Chinese power transmission & transformation equipment industrial base with a complete supply chain. The company integrates R&D, manufacturing, sales and export, specializing in oil-immersed transformers, dry-type transformers and box-type compact substations, covering voltage classes from 1 kV up to 220 kV, for power grids, industrial distribution and new energy projects worldwide. CLYH is a verified Gold Supplier on Alibaba.com serving **Fortune 500 companies**, backed by an on-site supplier assessment from TÜV Rheinland, 100% on-time dispatch and a ≤ 1-hour response commitment.

2014	20,000+ m²	500+	50 MVA
FOUNDED · JIANGSU, CHINA	FACTORY AREA	UNITS / MONTH OUTPUT	MAX. UNIT CAPACITY

FORTUNE 500 SUPPLIER

SERVING FORTUNE 500 COMPANIES WORLDWIDE

Verified Gold Supplier · TÜV Rheinland onsite assessment
On-time dispatch 100% · Response ≤ 1 h





Raw material storage area-1



Raw material storage area-2



Longitudinal cut line



Crosscut line



Core assembly



Vertical Winding Machine



Foil Winding Machine



Radial Drilling Machine



Vacuum Epoxy Resin Casting Vessel



Vacuum Drying & Curing Oven



Final Assembly



Testing Center



Outgoing Inspection



Finished-Goods Storage Area-1



Finished-Goods Storage Area-2



Finished-Goods Storage Area-3

Certifications & Customer Projects

Production Capability

- Rated capacity 10 kVA – 2,500 kVA standard distribution range, up to 50 MVA
- HV ratings 6 / 10 / 11 / 20 / 33 / 34.5 kV (up to 220 kV class on request)
- LV ratings 400 / 415 / 480 / 690 V · vector groups Dyn11, Yyn0, Dd0
- 50 Hz / 60 Hz · three-phase & single-phase
- 100% copper or aluminum windings, round / layer coils

Quality & Certification

- TÜV Rheinland onsite-verified · ISO 9001 / 14001
- IEC 60076 · CE · KEMA · GOST
- CSA field evaluation & UL certificate of compliance (USA / Canada)
- Raw material identification & traceability
- Finished product inspection & full test reports

Export & Logistics

- Shipped from Shanghai / Ningbo ports
- ISPM15 fumigated wooden crates, VCI rust protection
- Full-set standardized export packaging
- Trade Assurance & Alibaba.com order protection

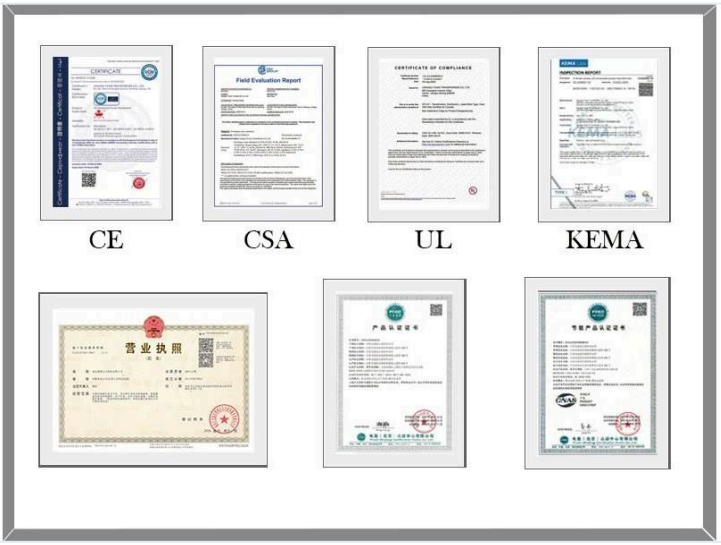
Main Product Lines

- Oil-immersed distribution transformers (S11 / S13)
- Pad-mounted & pole-mounted distribution transformers
- Cast-resin dry-type transformers (SCB10 / SCB11 / SCB13)
- Box-type compact substations (YBW / ZGS)



Global Exhibitions

CLYH at Vietnam ETE 2026 (ELECTRIC ENERGY & POWER SHOW)
SECC, Ho Chi Minh City
15 – 17 Jul 2026



International certifications & company licenses — CE · CSA · UL · KEMA · CQC

SECTION 01

Oil-Immersed Transformers

Oil-Immersed Distribution Series

IEC · ANSI · 50/60 Hz · 6 – 35 kV



CUSTOM EXPORT SERIES

Custom Export Oil-Immersed Distribution Transformer, 1,000 – 2,500 kVA (20 kV)

Fully sealed, low-loss oil-immersed distribution transformer with 100% copper winding — 20 kV primary, 400 V secondary, S11/S13 efficiency ratings and 50/60 Hz dual frequency. Engineered for overseas utility and industrial projects, with voltage, capacity and vector-group customization from MOQ 1 set.

Rated capacity	**1,000 / 1,250 / 1,600 / 2,500 kVA (custom)**
HV → LV	**20 kV → 400 V (input/output customizable)**
Frequency / phase	**50 / 60 Hz · three-phase · Dyn11 / Yyn0**
Model / efficiency	**S11 / S13 · fully sealed tank · ONAN**
Winding	**100% copper**
Standard	**IEC · ANSI · IEEE · ISO / CE / UL certified**
Reference price	**US$ 5,000 – 9,000**

100% copper winding · Fully sealed · low maintenance · 50/60 Hz · Custom capacity/voltage · CE / UL certified

Applications: utility distribution networks, industrial power supply, overseas export projects



MULTI-VOLTAGE SERIES

S11 Oil-Immersed Distribution Transformer, 300 – 1,000 kVA (10 – 34.5 kV)

S11 low-loss oil-immersed transformer with conservator, silica-gel breather, radiator cooling and full gauges. The wide primary range covers 10 / 11 / 13.2 / 13.8 / 15 / 20 / 33 / 34.5 kV — including the 13.8 kV and 34.5 kV levels common in North America.

Rated capacity	**300 – 1,000 kVA (custom up to 2,000 kVA)**
HV → LV	**10 / 11 / 13.2 / 13.8 / 15 / 20 / 33 / 34.5 kV → 400 V (415/480 V on request)**
Frequency / phase	**50 / 60 Hz · three-phase · Dyn11**
Construction	**CRGO core · full copper winding · conservator + breather**
Reference price	**US$ 2,000 – 10,000**

Low loss (S11) · Full copper winding · Oil level & temp gauges · Radiator cooled · 50/60 Hz

Applications: utility distribution, substations, industrial power supply, rural electrification

Oil-Immersed Transformers



ENERGY SAVING

S13 Energy-Saving Oil-Immersed Distribution Transformer, 250 – 3,000 kVA

S13-series low-loss distribution transformer compliant with IEC 60076, engineered for lower no-load loss and reduced operating cost over the equipment lifetime — a key criterion under DOE 2016 efficiency expectations.

Rated capacity	250 – 3,000 kVA
HV → LV	10 / 20 / 35 kV → 0.4 kV
Frequency / phase	50 / 60 Hz · three-phase
Standard / warranty	IEC 60076 · 24-month warranty
Reference price	US$ 1,000 – 10,000

Low no-load loss · Energy saving · Copper winding · IEC 60076

Applications: grid distribution, renewables interconnection, industrial plants, substations



COMPACT TANK

S13 Distribution Transformer 10 kV / 0.4 kV · Dyn11 · Full Copper

Compact three-phase distribution transformer with corrugated-tank cooling, 100% copper winding and a standardized 10 kV / 0.4 kV ratio — a workhorse configuration for commercial and small utility projects.

Rated capacity	200 – 2,500 kVA (typical 200–630 kVA)
HV → LV	10 kV → 0.4 kV (Dyn11)
Frequency / phase	50 / 60 Hz · three-phase
Winding	100% copper · corrugated tank
Reference price	US$ 1,000 – 5,000

Compact footprint · Full copper · Low maintenance · Pole/pad adaptable

Applications: urban & rural distribution, commercial buildings, industrial loads



HIGH VOLTAGE

35 kV Oil-Immersed Power Transformer, 30 – 3,000 kVA

35 kV-class step-down transformer for utility grids and large industrial sites. Built-in safety protection package — oil conservator, safety relay, color-coded bushings and pre-drilled base — simplifies installation and monitoring.

Rated capacity	30 – 3,000 kVA
HV → LV	35 kV → 0.4 kV (other ratios on request)
Frequency / phase	50 / 60 Hz · three-phase
Certification	IEC · CE
Reference price	US$ 8,000 – 16,000

Oil conservator · Safety relay · Color-coded bushings · Pre-drilled base · Copper winding

Applications: utility grid substations, industrial plants, high-voltage distribution

Dry-Type / Cast-Resin Transformers

SCB Series · Oil-Free & Fireproof

Standard for indoor commercial buildings in North America



HIGH RATING

SCB11 Cast-Resin Dry-Type Transformer, 33 kV / 20 kV Class (up to 10 – 15 MVA)

High-voltage epoxy cast-resin transformer with vacuum-cast coils, fan-assisted cooling and very low loss. Oil-free and fire-resistant construction suits indoor and urban installations where liquid-filled units are restricted.

Rated capacity	up to 10 / 15 MVA (30 – 2,500 kVA standard)
HV → LV	33 / 20 kV → 0.4 kV
Frequency / phase	50 / 60 Hz · three-phase
Cooling	AN / AF (forced-air fans)
Reference price	US$ 3,000 – 8,000

Fireproof · oil-free | Low loss | Maintenance-friendly | Compact footprint

Applications: commercial towers, data centers, industrial plants, indoor substations



100% COPPER

SCB13 1,250 kVA Epoxy Cast Dry-Type Transformer, 11 – 35 kV → 415 V

SCB13 ultra-low-loss cast-resin unit with 100% copper winding and 50/60 Hz capability. The 11 kV and 35 kV primary options match both standard and high-voltage commercial distribution networks.

Rated capacity	1,250 kVA (200 – 2,500 kVA series)
HV → LV	11 / 35 kV → 415 V (480 V on request)
Frequency / phase	50 / 60 Hz · three-phase
Winding	100% copper · epoxy cast resin
Reference price	US$ 999 – 15,000

Ultra-low loss (SCB13) | 100% copper | 50/60 Hz | Fireproof

Applications: industrial plants, commercial buildings, utility MV distribution



SCB10 SERIES

SCB10 500 kVA Cast-Resin Dry-Type Transformer, 10 kV → 400 V

Triple-winding cast-resin dry-type transformer with 100% copper windings and ANAF forced-air cooling — fireproof, oil-free and low-maintenance for demanding industrial and commercial duty. IEC/CE certified, 50/60 Hz, with full customization of voltage, capacity and vector group.

Rated capacity	500 kVA (customizable)
HV → LV	10 kV → 400 V (customizable)
Frequency / phase	50 / 60 Hz · three-phase · Dyn11 / Yyn0
Model / winding	SCB-10 · triple winding · 100% copper
Cooling / standard	ANAF · IEC · ANSI · IEEE (ISO/CE/UL)
Reference price	US$ 5,000 – 7,000

Dry-Type / Cast-Resin Transformers



BUILDING STANDARD

SCB13 200 kVA Dry-Type Distribution Transformer, 11 kV → 0.4 kV

Entry-level cast-resin dry-type unit ideal for commercial and residential buildings. Oil-free, quiet and safe for installation inside occupied structures.

Rated capacity	200 kVA (75 – 630 kVA series)
HV → LV	11 kV → 0.4 kV
Frequency / phase	50 / 60 Hz · three-phase
Reference price	US$ 2,000 – 6,000

Quiet operation · Oil-free & safe · Compact · Low maintenance

Applications: commercial & residential buildings, MV/HV industrial distribution



COPPER CORE

Dry-Type Transformer 400 – 630 kVA · Copper Core · 50/60 Hz

Cast-resin dry-type transformer with copper windings and customizable voltage (10 / 11 / 35 kV). Fan-assisted cooling and tap-change terminals provide flexibility across building and industrial duty.

Rated capacity	400 / 500 / 630 kVA
HV → LV	10 / 11 / 35 kV (customizable)
Frequency / phase	50 / 60 Hz · three-phase
Winding	Copper core
Reference price	US$ 3,000 – 5,000

Copper core · 50/60 Hz · Tap-change terminals · Fireproof

Applications: commercial & residential buildings, industrial distribution, utility substations



LOW NOISE

Toroidal-Coil Cast-Resin Dry-Type Transformer, 30 – 3,000 kVA

Toroidal-coil design reduces noise and stray loss while keeping the unit oil-free and fireproof. Equipped with digital temperature display and color-coded terminals for easy inspection.

Rated capacity	30 – 3,000 kVA
Frequency / phase	50 / 60 Hz · three-phase
Features	Digital temp display · color-coded terminals
Reference price	US$ 3,000 – 13,000

Low noise · Oil-free & fireproof · Digital temp display · Low maintenance

Applications: utility substations, industrial plants, indoor distribution

Box-Type Compact Substations

Turnkey Distribution in One Enclosure

MV switchgear + transformer + LV panel · outdoor rated



CLYH SERIES

CLYH Compact Box-Type Transformer Substation, 100 – 1,600 kVA

Integrated outdoor substation combining MV switchgear, an oil-immersed transformer and LV switchgear in one weatherproof enclosure. Factory assembled, tested and shipped as a single unit.

Rated capacity	100 / 160 / 200 / 300 / 630 / 800 / 1,000 / 1,250 / 1,600 kVA
HV → LV	10 kV → 0.4 kV (35 kV class on request)
Cooling / vector	ONAN · Dyn11 / Yyn0
Standards	IEC · ANSI · IEEE · ISO / CE / UL marks
Winding	100% copper
Reference price	US$ 5,000 – 12,000

Factory assembled · Compact footprint · Weatherproof · CE / UL marks · Full copper

Applications: rural electrification, solar & storage projects, commercial parks, utility distribution



OUTDOOR READY

Outdoor Compact Box-Type Substation, CLYH 800 kVA

Factory-direct outdoor substation with three-section enclosure (MV compartment, transformer bay, LV compartment), sight window and full ventilation. IEC-certified, customized per project drawing.

Rated capacity	800 kVA (up to 1,600 kVA series)
HV → LV	10 kV → 0.4 kV
Certification	IEC · CE · UL · KEMA · TÜV SÜD marks
Reference price	US$ 5,000 – 8,000

Full copper · Three-compartment design · Outdoor rated · Customizable

Applications: grid distribution, industrial parks, renewables, commercial complexes



YBW SERIES

YBW Box-Type Transformer Substation, 50 – 1,600 kVA

Outdoor YBW-series substation with oil-immersed distribution transformer, high-efficiency design and stable supply for grid and industrial networks.

Rated capacity	50 – 1,600 kVA
HV → LV	10 / 20 / 35 kV → 0.4 kV
Frequency / phase	50 / 60 Hz · three-phase
Reference price	US$ 5,000 – 16,000

High efficiency · Outdoor rated · Stable supply · Wide kVA range

Applications: utility grids, distribution networks, industrial & commercial supply

COMPANY

Nanjing Chaolian Yunhe Technology Co., Ltd.
Headquarters: Nanjing, Jiangsu, China
Production base: Hai'an, Jiangsu, China
Founded 2014 · Gold Supplier · TÜV Rheinland verified

CONTACT

- Alibaba.com store: njclyh.en.alibaba.com
- Contact person: Mr. Eleven
- Response time: ≤ 1 hour
- Inquiries via Alibaba.com message or store RFQ

PRODUCT RANGE

- Oil-immersed distribution transformers (S11 / S13)
- Pad-mounted & pole-mounted transformers
- Cast-resin dry-type transformers (SCB10/11/13)
- Box-type compact substations (YBW / ZGS)

CUSTOMIZATION

- Voltage, capacity, vector group & frequency per local grid
- Drawing-based and sample-based customization
- OEM / ODM: private brand, packaging, English manuals
- Anti-corrosion & special environment designs

Mr. Eleven
SALES & EXPORT

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All units are type-tested and supplied with complete test reports for local grid acceptance. Export packaging: ISPM15 fumigated wooden crates with VCI rust protection, shipped from Shanghai / Ningbo ports.

Free Quotations · EXW / FOB / CIF

Free quotations on EXW, FOB or CIF terms are available on request — simply reach us through the contact details in this catalog. Should your travels bring you to China, you are sincerely welcome to visit our factory and see our production lines first-hand.

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