

DKT
DAEKWANG TRANSFORMER

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DAEKWANG TRANSFORMER

Reliable Transformer Manufacturer with Over 30 Years of Excellence
Supplying Quality Power Solutions to Korea and the World



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Head office. (46754) 41, Noksansandan 381 ro, Gangseogu, Busan, South Korea

www.daekwangtr.com





Daekwang Transformer Co., Ltd.

COMPANY OVERVIEW

Engineering Trust. Delivering Power

Daekwang Transformer Co., Ltd. is a trusted Korean manufacturer of oil-filled, distribution, and power transformers with over 30 years of experience.

We are an approved supplier to KEPCO (Korea Electric Power Corporation) and LS ELECTRIC, providing pole-mounted, pad-mounted and custom-designed transformers to both domestic and international clients.

Our products have been successfully exported to countries such as Nigeria, the Philippines, and New Zealand and we have earned an excellent reputation for quality, durability, and competitive pricing through OEM supply to the United States and Canada.

We are actively expanding into the North American market, while also strengthening our presence in Central & South America and Africa and are currently seeking new partnerships in these regions.

At Daekwang Transformer, we are committed to continuous technological advancement and quality improvement, delivering innovative and dependable transformer solutions as we expand globally.

Thank you.

Corporate Profile

Company Name	DAEKWANG TRANSFORMER CO., LTD.
Established	1993
Business Type	Transformer Manufacturer
Main Products	Distribution Transformer, Power Transformer
Certifications	ISO 9001, ISO 14001, ISO 45001
Major Clients	KEPCO, LS ELECTRIC
Export Regions	U.S.A., Canada, Philippines, Nigeria, New Zealand, Netherland
Location	(46754) 41, Noksansandan 381 ro, Gangseogu, Busan, South Korea
Website	www.daekwangtr.com

HISTORY

*Engineering Trust.
Delivering Power*

2025

- Export Contract Signed and Shipment Commenced for Distribution Transformers to Nigeria

2024

- Expansion of transformer test facilities and new facility construction
- Signing of MOU for Business Partnership and Export Agreement Cooperation with Company 'M' in the Dominican Republic

2022

- OEM export to Overseas Markets (Pole & Pad-Mounted Transformers)
- Passed KEPCO development test for high-efficiency amorphous pole-mounted transformers

2020

- Expansion of the latest transformer manufacturing facility line
- Passed KEPCO development test for compact-type pad-mounted transformers

2008

- Joined the Korea Electrical Industry Cooperative
- Registered as an "Excellent Female Manufacturer" by the Korea Electrical Manufacturers Association (KEMA)

2015

- Export Contract Signed and Shipment Commenced for Distribution Transformers to the Philippines

2018

- Delivered KEPCO high-efficiency pole-mounted and compact ground-mounted transformers
- Passed KEPCO development tests for:
 - Flame-retardant oil type pole-mounted transformers
 - Mineral oil type pole-mounted transformers
 - Flame-resistant pole-mounted transformers

2019

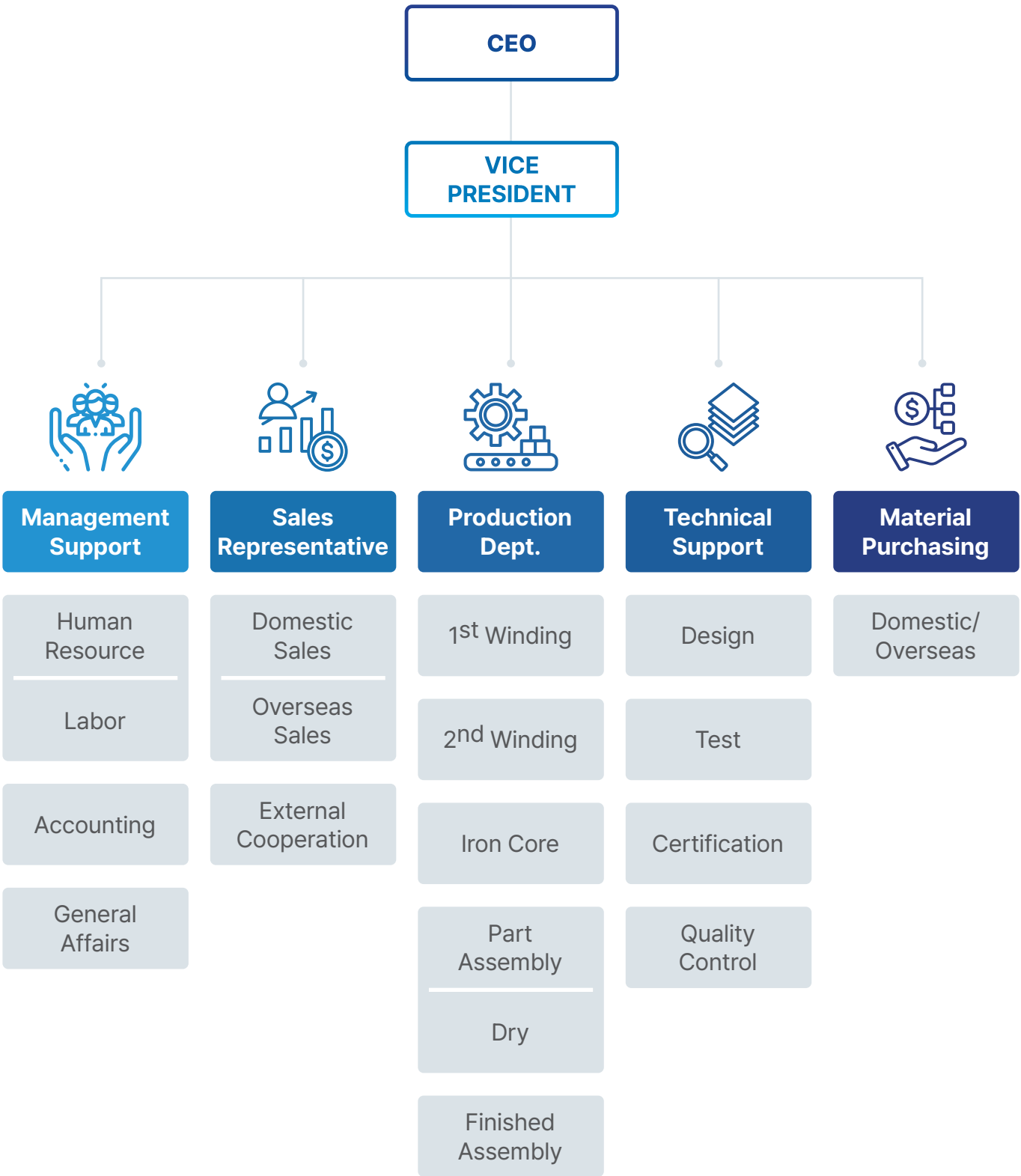
- Export Contract Signed and Shipment Commenced for Distribution Transformers to the Netherlands and New Zealand



ORGANIZATIONAL STRUCTURE

Daekwang Transformer Co., Ltd. operates with five key departments: Support, Sales, Production, Technical Support, and Material Purchasing.

Each department functions efficiently in its respective area of responsibility. In particular, our transformers are fully customized — designed, manufactured, tested, and certified to meet specific customer requirements.



PRODUCT RANGE & CAPACITY

Pole-mounted transformers are available up to 500 kVA, and pad-mounted transformers up to 5,000 kVA. Oil-immersed distribution and power transformers can be produced up to 30MVA.



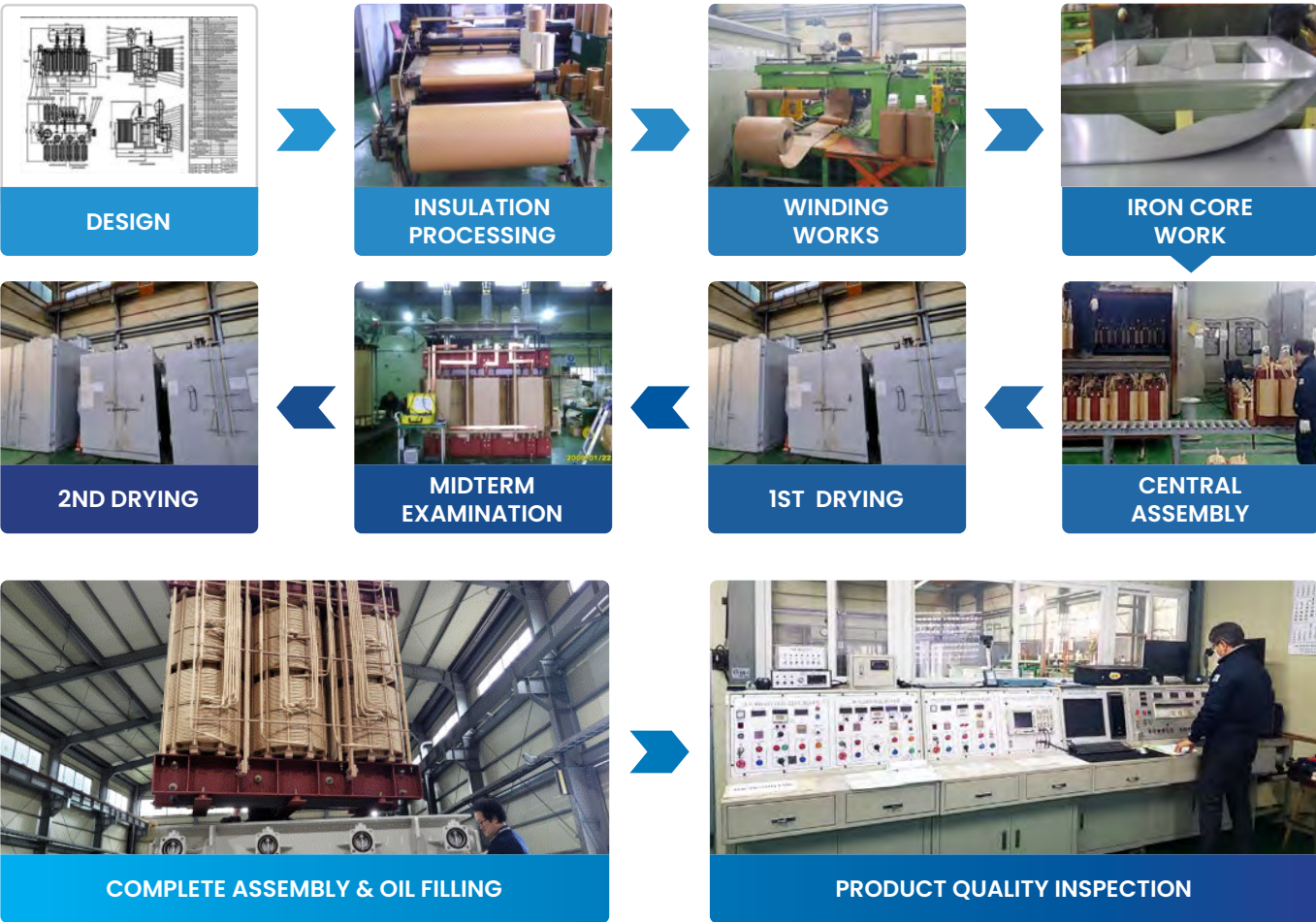
Product Type	Phase	Voltage Range	Capacity Range	Lead Time
Pole-Mounted Transformer	1PH	Up to 24kV	10–500 kVA	30–60 days
Pad-Mounted Transformer	1PH	Up to 34.5 kV	25–500 kVA	30–60 days
	3PH	Up to 34.5 kV	75–5,000 kVA	30–60 days
Distribution Transformer	3PH	Up to 34.5 kV	TR 100~5,000kVA	60–90 days
Power Transformer	3PH	Up to 34.5 kV	100-30,000kVA	60–90 days



* Lead times may vary based on material supply conditions.

TRANSFORMER MANUFACTURING PROCESS

Daekwang Transformer's production facility is systematically divided into specialized zones to ensure optimized workflow and efficient manufacturing.



Factory Building A	<div>▸ Coil & 1st winding process</div> <div>▸ Insulation paper cutting</div> <div>▸ 2nd winding process</div> <div>▸ Core and middle-body assembly</div>
Factory Building B	<div>▸ Final product assembly</div> <div>▸ Drying process</div> <div>▸ Insulation oil filling</div>
Dry Room	Maintains optimal humidity conditions for insulation and drying processes
Transformer Testing Lab	Equipped for full type and routine tests to ensure compliance and performance
Noise Room	Dedicated area for measuring and minimizing transformer noise levels
Office Building	Management Support, Sales and Technical Quality Dept

Assembly Of Transformer Core And Windings

- Transformers are manufactured in the following order: core processing, winding, and core-winding assembly.
- This is the fundamental stage of transformer manufacturing, where the primary winding is carefully wound around the iron core.
- Daekwang Transformer (DKT) employs highly experienced winding and iron core engineers with over 20 years of expertise.
- All processes are performed manually to ensure precision and quality.



Insulation Paper Cutting, Annealing, Drying, Vacuum Oil Filling, And Temperature Rise Testing

Daekwang Transformer (DKT) is fully equipped with all the facilities necessary for transformer manufacturing.

Our production line includes insulation paper cutting machines, core assembly systems, winding machines, cranes, annealing and drying furnaces, insulation oil filling and degassing units, dielectric strength test equipment, temperature rise test equipment, induction insulation test systems, and characteristic test facilities.



TRANSFORMER MANUFACTURING PROCESS

Component Assembly

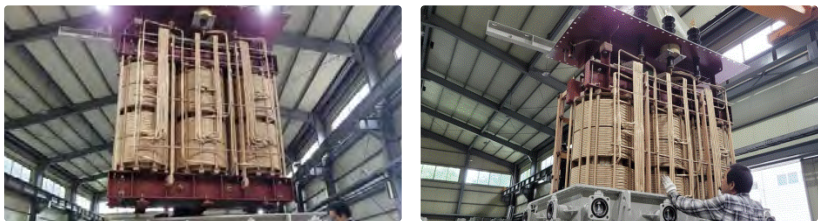
- The middle-body assembly refers to the coil winding, which forms the internal core of the transformer.
- Our technicians, each with over 20 years of experience, are responsible for this critical process, which is essential for producing top-quality transformers.



Final Transformer Assembly

This is the final stage of the manufacturing process where all internal components, such as the core and windings, are assembled into the tank.

Accessories are installed, and the unit is prepared for testing and shipment.



TRANSFORMER TESTING LAB

Quality Control : Tests

We conduct tests for quality control. All transformers must pass these tests before being shipped to customers.

Routine test items

- Visual inspection of construction & dimensions
- Measurement of voltage ratio
- Measurement of winding resistance
- Check of phase displacement
- Measurement of no-load loss and current
- Measurement of short-circuit impedance and load loss
- Separate source AC withstand voltage test
- Short-duration induced AC withstand voltage test
- Oil leakage test



Type test items

- Temperature-rise test
- Lightning impulse test
- Sound levels test



PRODUCTS

Daekwang Transformer (DKT) specializes in the design and manufacturing of high-quality oil-immersed transformers.

Main Product Line Includes

01

Pole-Mounted Transformers
Up to 500 kVA, designed for overhead distribution networks.

02

Pad-Mounted Transformers
Up to 5,000 kVA, suitable for underground distribution systems with dead-front or live-front options.

03

Distribution Transformers
Single-phase and three-phase transformers designed for residential, commercial, and light industrial applications.

04

Power Transformers
Up to 30,000 kVA for substations and utility grid infrastructure.

05

Customized OEM Transformers
Tailored transformer solutions for global clients in North America, Asia, Africa, and Oceania.



PRODUCTS

I Pole Mounted Transformers

Category	Details
Purpose	Used in salt-damaged (corrosive) coastal or high-humidity areas
Housing Material	Stainless steel housing with zinc coating (inside and outside)
Bushing	Polymer bushing, Porcelain bushing
Supply Scope	Custom-manufactured based on client specs
Clients	Private companies, KEPCO (Korea Electric Power Corporation), Global utilities
Export Regions	U.S.A., Canada, Philippines, Nigeria, New Zealand, Netherland
Location	(46754) 41, Noksansandan 381 ro, Gangseogu, Busan, South Korea
Website	www.daekwangtransformer.com

Pole Mounted Transformer up to 500kVA

- ▶ Capacity : up to 500kVA
- ▶ Voltage Frequency: 50Hz, 60Hz
- ▶ Phase: Single Phase, 3Phase
- ▶ Applicable Specifications: KS, ANSI, IEEE, IEC, JIS, JEC, NEMA
- ▶ Primary Voltage: 34.5kV
- ▶ Secondary Voltage: 1000V



I Pad-Mounted Transformers

Pad-mounted transformers are installed in underground transmission line receiving areas and are equipped with fuses as electrical protection devices, reducing the risk of accidents.

Their simple appearance makes them suitable for installation near residential roads, parks, schools, golf courses, and other public or urban receiving areas.



Pad Mounted Transformer up to 5000kVA

- ▶ Capacity : up to 5000kVA
- ▶ Phase: Single Phase, 3Phase
- ▶ Primary Voltage: 34.5kV
- ▶ Secondary Voltage: 1000V
- ▶ Voltage Frequency: 50Hz, 60Hz
- ▶ Applicable Specifications: KS, ANSI, IEEE, IEC, JIS, JEC, NEMA

I Distribution Transformers

Category	Specification
Capacity	Up to 5000 kVA
Phase	3 Phase
Primary Voltage	34.5 kV
Secondary Voltage	up to 1000V
Voltage Frequency	50 Hz, 60 Hz
Applicable Specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEMA

Distribution Transformer up to 5000kVA

- ▶ Distribution transformers are used for the final voltage conversion in a power distribution system.
- ▶ They reduce the voltage from distribution lines to a level suitable for use by end users.
- ▶ Commonly referred to as distribution transformers up to 5000 kVA.
- ▶ Since they operate 24 hours a day, minimizing core (iron) losses is crucial in design.
- ▶ As they typically run under partial load, they are designed to deliver maximum efficiency at low loads.



I Power Transformers

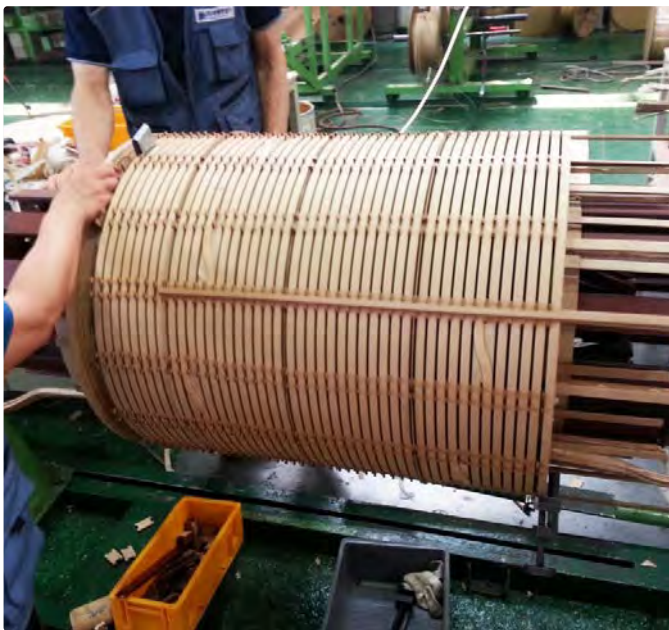
Power transformers are large-capacity, high-voltage units used to transmit electricity from power plants to substations or large industrial facilities.Daekwang Transformer (DKT) supplies power transformers to government institutions and major corporations across Korea.



Power Transformer up to 30MVA

- ▶ Capacity : up to 30MVA
- ▶ Phase: Single Phase, 3Phase
- ▶ Primary Voltage: 34.5kV
- ▶ Secondary Voltage : 6.9kV
- ▶ Voltage Frequency: 50Hz, 60Hz
- ▶ Cooling Method: ONAN, ONAF
- ▶ Applicable Specifications: KS, ANSI, IEEE, IEC, JIS, JEC, NEMA

PRODUCTS



PRODUCTS



a. Distribution TR 2700-3300kVA



b. Power TR 11MVA



c. Distribution TR 500 kVA



d. Power TR 10MVA



e. Distribution TR 6MVA-6600V-575V



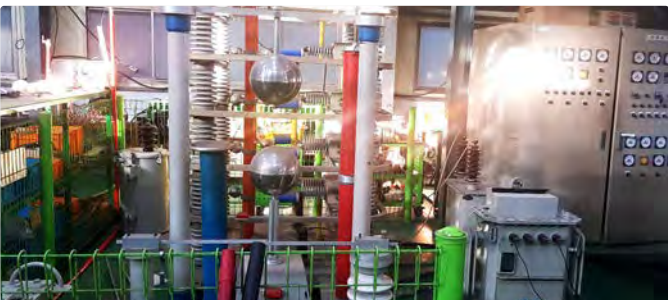
f. Distribution TR-2700kVA-3300V-460V



g. Factory site



h. Factory site



i. Impulse test



j. Condensor Bank

PRODUCTS ORDERED BY KEPCO



a. High Efficiency Amorphous Pole TR
10 ~ 167kVA



b. High Efficiency Amorphous Pole TR
10 ~ 167kVA



c. High Efficiency
Pole TR 10-167kVA



d. Compact Type Pad Mounted TR
d1. 1PH 50-200kVA d2. 3PH 75-500kVA



STATUS OF CERTIFICATION



ISO 9001




ISO 14001




ISO 45001




Government-Approved Exemption from Certified Inspection Testing (KOEMA)




Type Test Report issued by Korea Electrotechnology Research Institute (KERI)



Test Certificate Tested and Certified by Korea Electrotechnology Research Institute (KERI)



Test Certificate Tested and Certified by Korea Electrotechnology Research Institute (KERI)



Type Test Report issued by Korea Electrotechnology Research Institute (KERI)



Energy Efficiency Registration Certificate (High-Efficiency Transformer, 1PH 100kVA)



Energy Efficiency Registration Certificate (High-Efficiency Transformer, 3PH 500kVA)



Supplier Certificate

Daekwang Transformer Co., Ltd. holds the following technical certifications

- ▶ ISO 45001 – Safety and Health Management System
 - ▶ ISO 14001 – Environmental Management System
 - ▶ ISO 9001 – Quality Management System
- ▶ Efficiency Management System Report Certification
 - ▶ Certified Inspection Test Exemption Certificate
 - ▶ Product-Specific Certificate of Origin

OVERVIEW OF LOCAL DELIVERIES

Record of Supplied Transformers	Year	Record of Supplied Transformers	Year
Oil Filled TR 3Ø 150kVA 380/440V	2022	3Ø 5000kVA 575/440V Dd0	2024
Oil Filled TR 3Ø 1100kVA 22900-440-254V	2022	3Ø 1300kVA 6600/575V Dd0	2024
Oil Filled TR 400kVA 380/220V	2021	3Ø 1200kVA 4160/440V Dd0	2024
Oil Filled TR 3Ø 300kVA 220-380-220V	2021	3Ø 3400kVA 22900-6600V Dd0	2024
Transformer 700kVA and 200kVA	2021	3Ø 5000kVA 22900-575-575V Dyn11d0	2024
Oil Filled TR 3Ø 350kVA kVA 22900-380-220V	2020	3Ø 1500kVA 22900-380-220V Dyn11	2024
Oil Filled TR 200kVA 22900-380-220V	2020	3Ø 4900kVA 22900-4160V Dd0	2024
Oil Filled TR 500kVA	2020	3Ø 1000kVA 4160/440V Dd0	2024
Oil Filled TR 300(150)kVA 2290-/220V	2020	3Ø 1300kVA 22900-380-220V Dyn11	2024
Oil Filled TR 500(400)kVA 22900-380-220V	2020	3Ø 10000kVA 22900-6600V Dd0	2024
Oil Filled TR 2000kVA 22900-440V	2019	3Ø 5500kVA 6600/3300V Dd0	2024
Oil Filled TR 3Ø 1500kVA 22900-440V	2019	3Ø 13000kVA 22900-6600V Dd0	2024
Oil Filled TR 3Ø 1500(1000)kVA 22900/440V(SIDE, Δ-Δ)	2019	3Ø 1000kVA 22900/440V Dd0	2023
Oil Filled TR 1800kVA 22900-380-220V	2019	3Ø 1000kVA 6600/440V Dd0	2023
TR 3400/2300/1000kVA	2019	3Ø 2300kVA 6600/575-575V Dd0yn11	2023
TR 3Ø 3W 200kVA-440/220V	2018	3Ø 3400kVA 6600/575-575V Dd0yn11	2023
Oil Filled TR 500kVA 440/380V	2018	3Ø 1000kVA 6600/440V Dd0	2023
Oil Filled TR 500kVA 22900-380-220V	2018	3Ø 1200kVA 6600/575V Dd0	2023
Oil Filled TR 100kVA 22900(Y)/380V	2018	3Ø 1000kVA 6600/220V Dd0	2023
Oil Filled TR 3Ø 3250(2250)kVA 22900-380-220V	2018	3Ø 2500kVA 6600/380-220V Dyn11	2023
		3Ø 3000kVA 6600/440V Dd0	2023

OVERVIEW OF INTERNATIONAL DELIVERIES

Daekwang Transformer Has Successfully Exported
Transformers To The Following Countries



UNITED STATES
OEM Pole & Pad-mounted
Transformers



PHILIPPINES
Distribution
Transformers



NETHERLANDS
Power & Distribution
Transformers



NEW ZEALAND
Distribution
Transformers



NIGERIA
Power & Distribution
Transformers

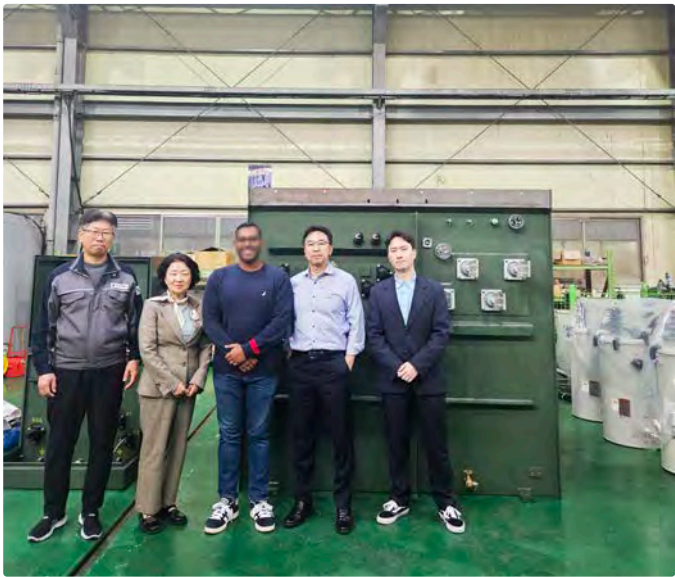


**DOMINICAN
REPUBLIC**
Distribution
Transformers

We continue to expand our global reach by providing reliable transformer solutions tailored to regional standards.

Country	Supply Record
US	1Ø Pole 333kVA 14400V/24940y-240/480V 60Hz
	1Ø Pole 500kVA 14400V/24940y-240/480V 60Hz
	1Ø Pad 25kVA 7200V/12470Y-120/240V 60Hz
	1Ø Pad 50kVA 7200V/12470Y-120/240V 60Hz
	1Ø Pad 75kVA 7200V/12470Y-120/240V 60Hz
	1Ø Pad 100kVA 7200V/12470Y-120/240V 60Hz
	1Ø Pad 167kVA 7200V/12470Y-120/240V 60Hz
	3Ø Pad 112.5kVA 12000V-208y/120V 60Hz
	3Ø Pad 300kVA 12000V-208y/120V 60Hz
	3Ø Pad 750kVA 12000V-208y/120V 60Hz
New Zealand	3Ø Pad 500kVA 12000V-208y/120V 60Hz
	3Ø Pole 50kVA 20000V-400Y/231V Dyn11 50Hz
Iraq	3Ø Pole 100kVA 20000V-400y/231V Dyn11 50Hz
	3Ø 250kVA 11000V-416y/240V 50Hz
Philippines	3Ø 750kVA 4160V-440y/254V 60Hz
	1Ø Pole 10kVA 7620V-20/240V 60Hz
	1Ø Pole 15kVA 7620V-120/240V 60Hz
	1Ø Pole 25kVA 7620V-120/240V 60Hz
	1Ø Pole 37.5kVA 7620V-120/240V 60Hz
	1Ø Pole 50kVA 7620V-120/240V 60Hz
	1Ø Pole 75kVA 7620V-120/240V 60Hz
	1Ø Pole 100kVA 7620V-120/240V 60Hz
	1Ø Pole 167kVA 7620V-120/240V 60Hz
	1Ø Pole 250kVA 7620V-120/240V 60Hz
Nigeria	1Ø Pole 333kVA 7620V-120/240V 60Hz
	3Ø 200kVA 33000V-400Y/230V 50Hz
	3Ø Pole 50kVA 30000V-420Y/243V(Dyn) 50Hz
	3Ø Pole 100kVA 30000V-420y/243V(Dyn) 50Hz
Angola	3Ø Pole 160kVA 30000V-420y/243V(Dyn) 50Hz
	3Ø Pole 250kVA 30000V-420y/243V(Dyn) 50Hz
	3Ø Pole 250kVA 30000V-420y/243V(Dyn) 50Hz
Kuwait	1Ø Pole 75kVA 480V-120/240V 50Hz
	1Ø 15kVA 12470V-120/240V 60Hz
Dominica Republic	1Ø 25kVA 12470V-120/240V 60Hz
	1Ø 37.5kVA 12470V-120/240V 60Hz
	1Ø 50kVA 12470V-120/240V 60Hz
	1Ø 75kVA 12470V-120/240V 60Hz
	1Ø 100kVA 12470V-120/240V 60Hz
	1Ø 167kVA 12470V-120/240V 60Hz

OVERSEAS EXPORT HISTORY



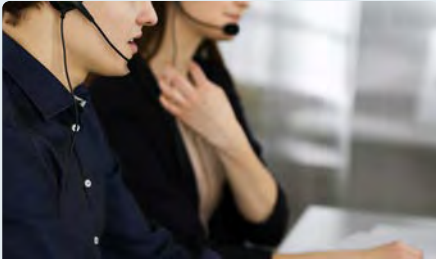
HOW TO CONTACT DAEKWANG TRANSFORMER CO., LTD

Quality Assurance & After-Sales Service (AS)



Quality Assurance

- ✓ Our transformers are built to meet international standards, ensuring high performance, durability, and reliability.
- ✓ We adhere to stringent quality control procedures at every stage of production to maintain consistent excellence.



After-Sales Service (AS)

- ✓ We provide comprehensive after-sales support, including installation, maintenance, and troubleshooting.
- ✓ Our service team is available to assist with any technical queries or issues that may arise post-purchase.



Warranty & Support

- ✓ All transformers come with a warranty period, covering repairs or replacements for manufacturing defects.
- ✓ We offer regular maintenance services to ensure your transformers operate at peak efficiency throughout their lifecycle.



Contact for Sales Inquiries

Please reach out to our after-sales department at:

+82-51-832-0223

annak@daekwangtr.com

dk_transformer

WhatsApp



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