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# DAEKWANG TRANSFORMER Co.,Ltd

High Efficiency Pole Transformers / Power and distribution Transformers /  
ISO 9001 Certification / Exemption From Accreditation /  
High-Efficiency & Eco-Friendly Certification



**DKT**  
DAEKWANG TRANSFORMER Co.,Ltd

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## Introduction of Daekwang Transformer

Since its establishment, Daekwang Transformer Co., Ltd. has been conducting continuous research on transformer quality through efficient production processes, systematic production, and test management in order to mass-produce the highest quality transformers.

In particular, we are doing our best to secure transformer quality and reliability with our excellent internal technical staff, aiming for zero defects in product quality by accurately identifying customer needs.

In addition, we are striving to produce high-efficiency, eco-friendly transformers by further increasing the stability and reliability of transformer quality with excellent internal technical staff with over 20 years of field experience and the addition of the latest testing equipment in 2024.

Through this continuous accumulation of technology and know-how, we have promoted supply to public corporations such as Korea Electric Power Corporation and Rural Development Administration in the domestic market and have been certified for quality and technical skills through ODM supply to domestic large corporations.

In addition, we are striving to promote Daekwang Transformer Co., Ltd. products in overseas markets through exports to ASEAN, Oceania, and North America.

Daekwang Transformer Co., Ltd. will continue to strive to become a top-quality transformer manufacturer both domestically and internationally through continuous technology development and R&D investment in order to grow into a company that is suitable for the global environment.

We ask for your continued interest and support, and we will continue to grow as a company that meets customer satisfaction and needs.

Thank you.



## Organization Chart

**Daekwang Transformer Co., Ltd. is operated by a total of 5 departments.**

Management Support Department, Sales Department, Production Department, Technical Support Department, and Material Purchasing Department. Each department is operated efficiently according to its related work, and transformers in particular are customized products that are designed, manufactured, tested and certified according to customer needs, and then shipped after completing production.

Management Support	Sales Department	Production Department	Technical Support Department	Materials purchasing department
<ul style="list-style-type: none"> <li>• Accounting</li> <li>• Human Resources and General Affairs</li> </ul>	<ul style="list-style-type: none"> <li>• Domestic Sales</li> <li>• Overseas Sales</li> </ul>	<ul style="list-style-type: none"> <li>• Winding</li> <li>• Iron core</li> <li>• Assembly</li> </ul>	<ul style="list-style-type: none"> <li>• Design</li> <li>• Test Certification</li> <li>• Quality Control</li> <li>• A/S</li> </ul>	<ul style="list-style-type: none"> <li>• Purchase</li> <li>• Material</li> <li>• Management</li> </ul>

## Transformer Product Categories

Transformers produced by Daekwang Transformer Co., Ltd. are oil-immersed transformers and are broadly classified into four categories: power transformers, distribution transformers, pole transformers, and branch transformers.



**Power Transformer**



**Distribution Transformer**



**Pole Mounted Transformer**



**Pad Mounted Transformer**

# Power Transformer

Power transformers are large-capacity, high-voltage transformers that transmit power generated at power plants to substations or large factories. Our company supplies power transformers to domestic government offices and large corporations.



Capacity	UP TO 30MVA
Phase	Single Phase, 3 Phase
Primary Voltage	69kV
Secondary Voltage	LV
voltage Frequency	50Hz, 60Hz
Cooling method	ONAN, ONAF
Applicable specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEA

## (SPECIFICATIONS) 3PHASE 22.9KV-LV

External dimensions						
Capacity(kVA)	Horizontal	Width	Height	Flow Rate(L)	Total Weight(Kg)	Efficiency(%)
1500	2300	2000	2250	1100	3920	99.3%
2000	2500	2150	2500	1300	4450	99.3%
2500	2800	2200	2650	1750	4800	99.3%
3000	3050	2250	2750	2050	7200	99.3%
5000	3700	2500	2900	2900	9800	99.3%
6000	3900	2650	3100	3100	11200	99.3%
7500	4600	2700	3150	3600	13300	99.3%
10000	4800	2750	3450	4200	18600	99.3%

\*The above table characteristics and specifications may change depending on customer needs, product improvements, and pricing conditions.



## Distribution Transformer

Distribution transformers are transformers that provide the final voltage conversion in a power distribution system, converting the voltage used in distribution lines into a voltage that is easy to supply by lowering the voltage to the level used by customers. They are usually called distribution transformers up to 5000kVA. Since distribution transformers are supplied with power 24 hours a day, it is important to reduce iron loss when designing them, and since they generally do not operate at full load, they are designed to achieve maximum efficiency when the load is low



Capacity	UP TO 5000kVA
Phase	Single Phase, 3 Phase
Primary Voltage	34.5kV
Secondary Voltage	LV
voltage Frequency	50Hz, 60Hz
Applicable specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEA

### (SPECIFICATIONS) 3PHASE 22.9KV-LV/380-220V(TOP-TOP) / STANDARD CONSUMPTION EFFICIENCY CRITERIA

External dimensions						
Capacity(kVA)	Horizontal	Width	Height	Flow Rate(L)	Total Weight(Kg)	Efficiency(%)
100	1100	650	1350	180	730	98.5% ↑
300	1250	950	1370	280	1130	98.7% ↑
500	1450	1150	1450	380	1570	98.8% ↑
600	1500	1150	1450	380	1570	98.8% ↑
750	1500	1250	1530	470	2000	98.9% ↑
900	1500	1400	1610	520	2360	99.0% ↑
1000	1750	1350	1650	550	2500	99.0% ↑
1500	1850	1450	1840	700	3150	99.0% ↑
2000	2000	1600	1860	890	4000	99.1% ↑

\*The above table characteristics and specifications may change depending on customer needs, product improvements, and pricing conditions.



# Pole Mounted Transformer



- 01. Salt-resistant cast-iron transformer** This is a cast-iron transformer used in salt-damaged areas, with a stainless steel housing coated with zinc coating on the inside and outside, and a polymer bushing. It is manufactured and supplied according to the capacity and specifications required by private businesses, Korea Electric Power Corporation, and overseas power companies.

Capacity	UP TO 333kVA
Phase	Single Phase, 3 Phase
Primary Voltage	34.5kV
Secondary Voltage	LV
voltage Frequency	50Hz, 60Hz
Applicable specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEA

- 02. Amorphous cast-iron transformer** This is a high-efficiency transformer that reduces no-load loss (iron loss) by more than 75% compared to existing silicon steel plates by applying amorphous metal instead of existing grain-oriented silicon steel plates as the core material. It is manufactured and supplied according to the capacity and specifications required by private businesses, Korea Electric Power Corporation, and overseas power companies

Capacity	UP TO 333kVA
Phase	Single Phase, 3 Phase
Primary Voltage	34.5kV
Secondary Voltage	LV
voltage Frequency	50Hz, 60Hz
Applicable specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEA

- 03. High-efficiency cast-iron transformer** This is a high-efficiency cast-iron transformer using a high-permeability directional silicon steel plate core. We manufacture and supply it according to the capacity and specifications required by private companies, KEPCO, and overseas power companies.

Capacity	UP TO 333kVA
Phase	Single Phase, 3 Phase
Primary Voltage	34.5kV
Secondary Voltage	LV
voltage Frequency	50Hz, 60Hz
Applicable specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEA



## Pad Mounted Transformer

Ground-mounted transformers are installed in underground transmission line receiving areas and are equipped with fuses as electrical protection devices, reducing the risk of accidents. In addition, they have a simple appearance, making them suitable for installation and use near residential roads, parks, schools, golf courses, and other receiving areas.



Capacity	UP TO 5000kVA
Phase	Single Phase, 3 Phase
Primary Voltage	34.5kV
Secondary Voltage	LV
voltage Frequency	50Hz, 60Hz
Applicable specifications	KS, ANSI, IEEE, IEC, JIS, JEC, NEA

### (SPECIFICATIONS) 3PHASE 22.9KV-LV

External dimensions						
Capacity(kVA)	Horizontal	Width	Height	Flow Rate(L)	Total Weight(Kg)	Efficiency(%)
100	1500	1000	1400	480	1300	Over 98.7%
500	1500	1500	1400	670	2500	Over 98.7%
2000	2300	2000	1950	1340	4900	Over 98.7%
3000	2500	2250	2200	1820	6600	Over 98.7%

\*The above table characteristics and specifications may change depending on customer needs, product improvements, and pricing conditions.



## Quality Assurance

Daekwang Transformer Co., Ltd. conducts performance tests according to domestic and international standards for all transformer products it manufactures, and completes testing and inspection of products before shipping. We conduct route tests, type tests, and characteristic tests.



Type Tests	Special Tests	Routine Tests	
Shock voltage test	Partial discharge test	Winding resistance measurement	Commercial frequency withstand voltage test
Temperature rise test	Noise measurement	Voltage ratio measurement	Induction voltage test
		Liver displacement test	Structural inspection
		Load loss and no-load current measurement	

## Certification Status

Daekwang Transformer Co., Ltd. holds various technical certifications, including 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, and Product-Specific Origin Certificate.





## On-site photos

