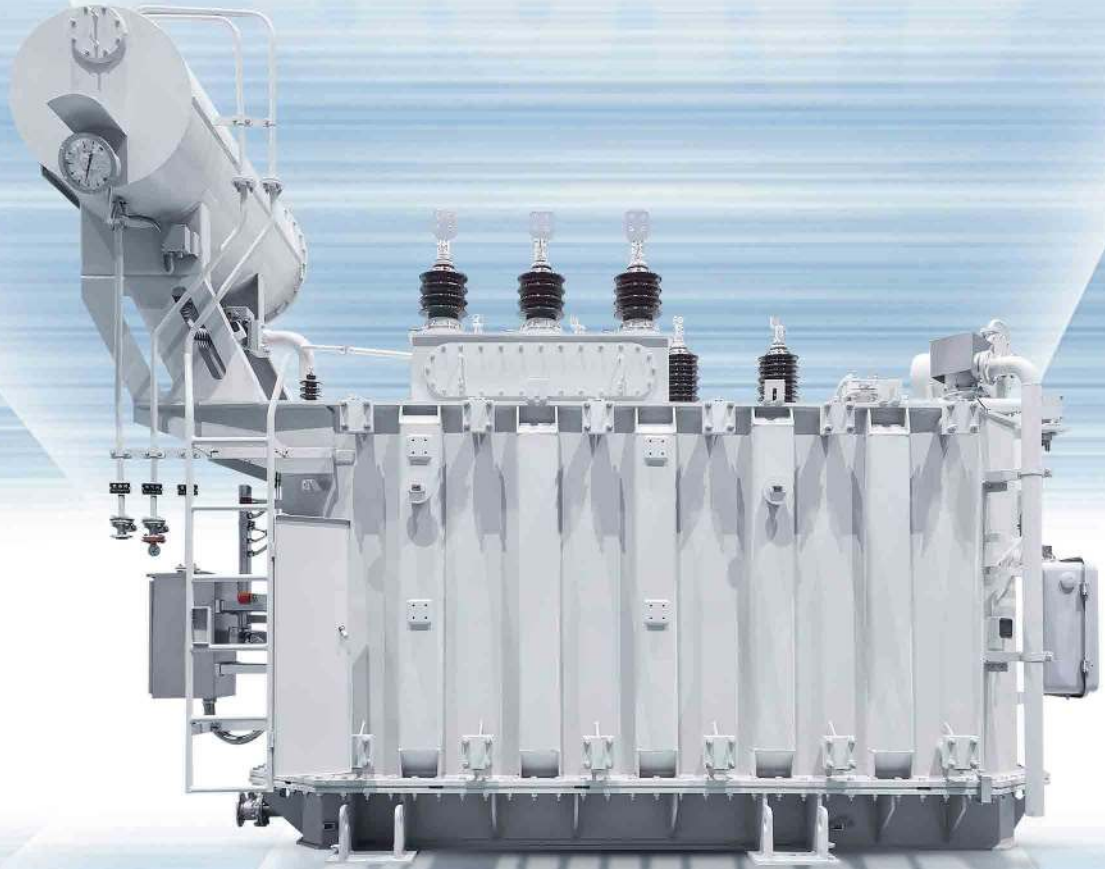


35kV Oil-Immersed Type Transformer

CEEG®

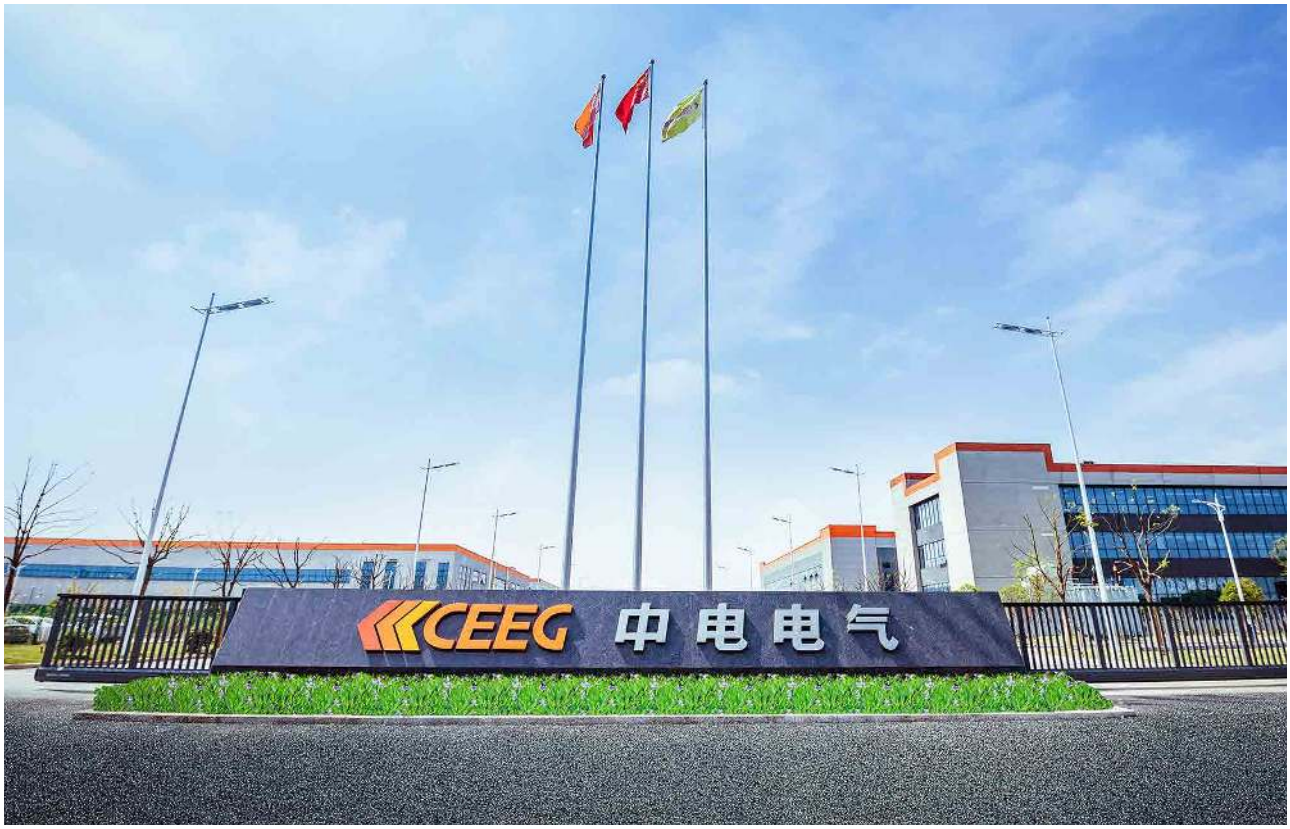
CEEG Transformer Co., Ltd

About CEEG

CEEG, founded in 1990, is a Chinese advanced electrical manufacturer. The company, guided by "vision, innovation, and responsibility," now owns three key industries, including power transmission and distribution equipment manufacturing, the new energy industry, and intelligent distribution systems.

As a modern enterprise, CEEG integrates research, design, manufacturing, and selling all together and is dedicated to providing the highest-quality product, the most excellent service, and the most various solutions to customers. During development, the company has established long-term strategic partnerships with global leading enterprises, such as DuPont, ABB, Siemens, etc.

On the belief of "safety, energy saving, and environmental protection," our products find extensive applications in coal mining, steelmaking, petrochemicals, metallurgy, and other industries and have gained multiple compliments from customers. Nowadays, the products have been exported to over 80 countries and regions, covering Asia, Africa, Europe, and South America.



Why CEEG

Strategy

For over 30 years, CEEG has remained steadfast in its commitment to delivering top-quality power to the world. Building upon a foundation of exceptional products and enduring partnerships, the company is now advancing its strategy through a supportive mode of "global manufacturing + comprehensive solutions and services."

Purpose

CEEG is passionate about keeping pace with the world throughout its development. Driven by technological advancements, enhanced competitiveness, energy transition, and environmental protection, CEEG aims for brand internationalization and service globalization.

Advanced Technology

CEEG' s enduring success over the past 30 years in energy industries can be attributed to its commitment to continuously enhance innovation and technological capabilities. Until today, we are still absorbing new concepts and technologies all over the world.

Safety

CEEG ensures the highest quality and safety throughout the entire lifecycle of each product, from design and manufacturing to operation. Our services integrate intelligent technologies and comprehensive solutions, resulting in a secure and stable operation system.

Sustainability

In response to the global trend toward decarbonization, CEEG is dedicated to advancing the energy transition and sustainability. Our efforts include developing energy-efficient products and the technology of new energy.






Low Loss
Maximum Safety
Low Noise
Cost Effective
Advanced Technology
Comprehensive Solutions
No Leakage
Hybrid Insulation System
Creative
Sustainability
Eco-Friendly
Maximum Safety
High Reliability
Anti-Short Circuit
Mature Structure Technology
Performance Comparison
Top-Quality
7-Step Temperature Control Technology

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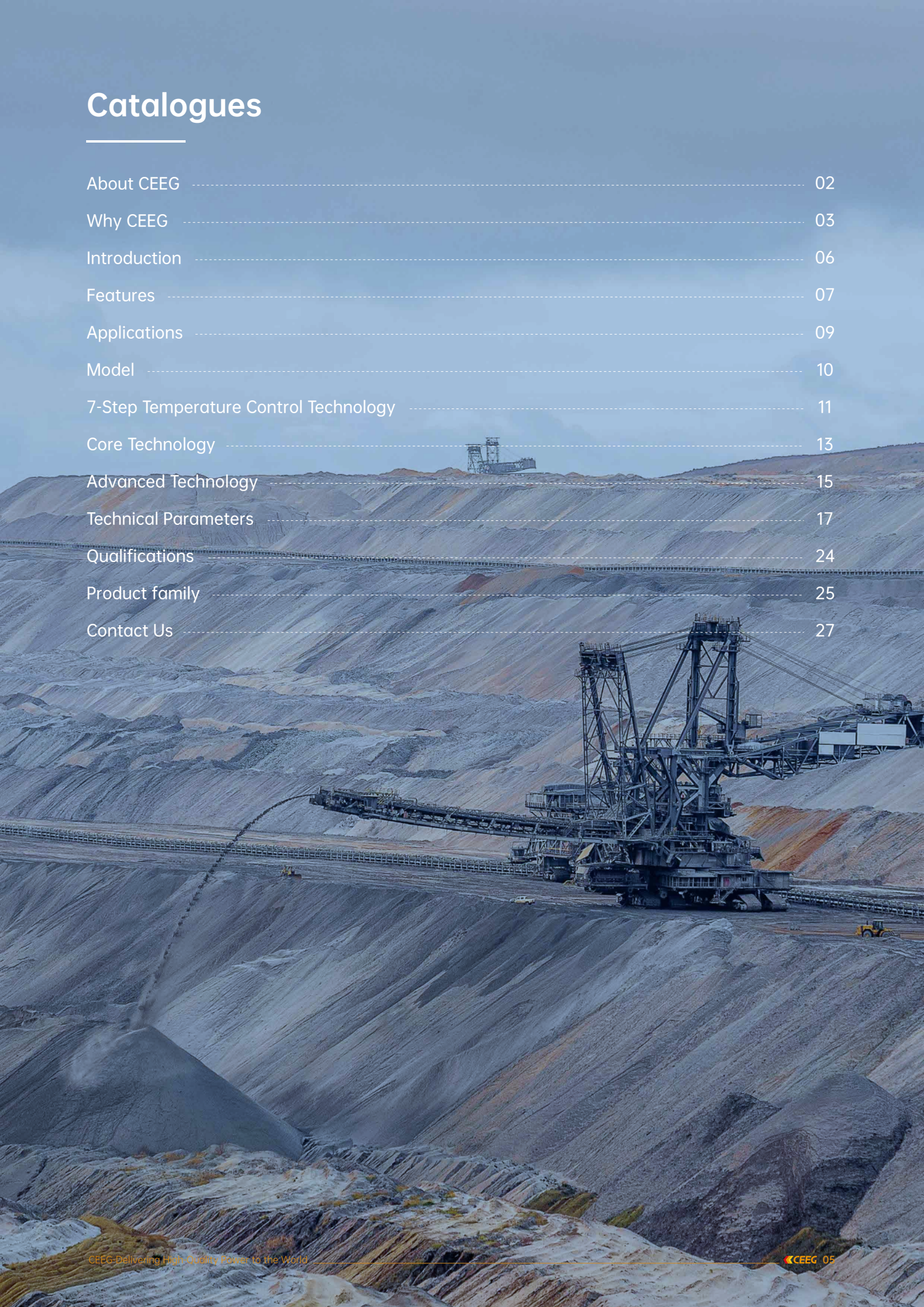
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Introduction



The 35kV oil-immersed transformer comprises an iron core, coil windings, the voltage-controlled switch, the tap changer, insulating materials, and transformer oil, etc. This type of transformer plays a crucial role in power transmission and distribution. CEEG self-designed product offers exceptional performance and top quality.

Features

Low Loss

• **Iron core:** adopts high-quality cold-rolled silicon steel sheet with high permeability, which effectively **reduces the no-load losses**

• **Automatic stacking machines:** incorporates an advanced automatic stacking machine from Switzerland, ensuring **precise and accurate stacking**

• **Strap binding process:** the iron core uses pressurizing process and PET strap binding process, effectively **reducing the no-load current**





Low Noise

Generally, the noise of transformers derives from the iron core, this product adopts various advanced solutions to solve the problem:

• **Low flux density design**

• **High-quality silicon steel sheet with high permeability**

• **Swiss automatic stacking machine to control the stacking accuracy**

• **Reliable clamping and bracing solutions**

• **Special vibration isolation solutions**

No Leakage

• **Oil tank:** it has passed the **leak detection**, which ensures that there is no leakage during normal operation

• **Flange groove structure:** to prevent oil leakage, these components are installed in a flange groove structure





Anti-Short Circuit

• **Transformer coils:** the coil winding utilizes **half hard copper wire** as a material and serves as an integrated unit within the equipment, ensuring anti-short circuit capability

• **Iron core clamp:** when considering **strength and rigidity calculations**, the core clamps play a crucial role in securing the transformer core

High Reliability

• **Stable performance**

• **Temperature control system**



Applications



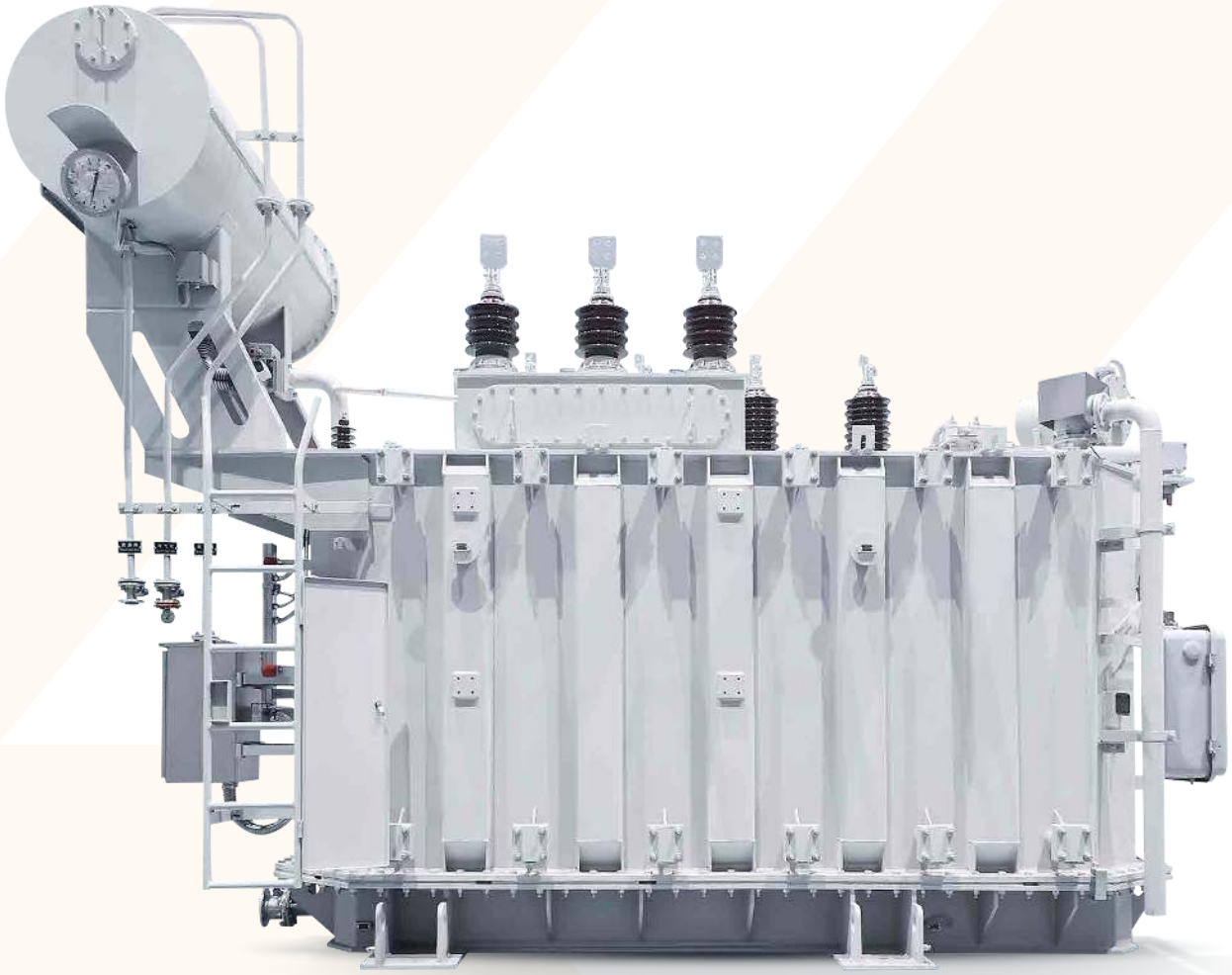






It can be widely used in the utility and infrastructure sectors, such as urban power grids, rural power grids, high-end power supply fields; and industries such as coal mining, and agriculture, etc.

Model



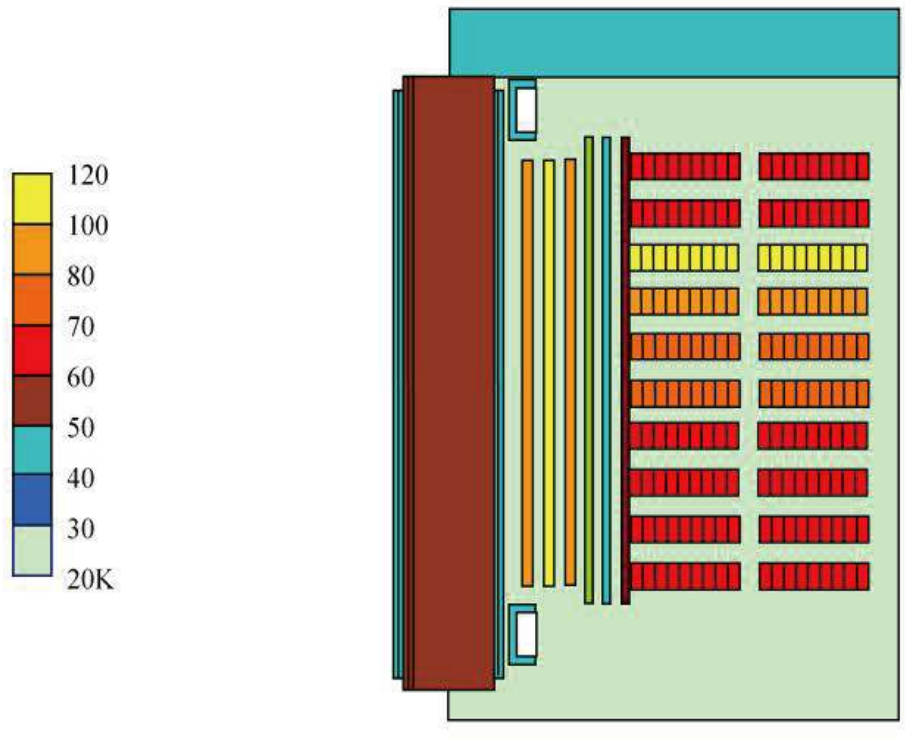
35 kV Oil-Immersed Type Transformer

S F Z 11 - □ / □

- Voltage level of HV winding (kV)
- Rated Capacity (kVA)
- Loss level code (11,13,18,20,22)
- On-load tap change
- Cooling method (F: AF, None:AN)
- Three phase

7-Step Temperature Control Technology

The structure of this type of transformer adopts the technology of traditional transformers, which retains many advantages, such as **reliability and cost-effectiveness**. The most obvious difference between these two types is that the design of the 35 kV oil-immersed transformer takes the temperature field into account. CEEG creates "**7-Step Temperature Control**" technology to ensure operation stability. This technology divides the design into five levels, from the hottest winding hot spot to the external parts, and the short circuit and overload conditions are also deemed key factors. It finally integrates a 7-step temperature control system. **The highest temperature** of **this transformer oil** is **95° C**, which ensures that the transformer has **maximum safety, thermal insulation, and a long lifespan**.



The schematic diagram of 7-step temperature control system

1.Insulation Temperature Control Technology

Different insulation materials should be selected based on the temperature of various parts of the winding and the structure. This allows for precise control the hot spot temperature of the winding.

2.Liquid Flow Circuit Temperature Control Technology

This technology integrates the temperature field and velocity field, allowing precise monitoring and control of the temperature in each component. It controls the oil temperature of the upper layer and the boundary layer near the winding hot spot.

3.Overload Temperature Control Technology

This is the temperature control of various parts of the transformer during overload conditions.

4.Iron Core Temperature Control Technology

This controls the temperature of the insulation components that connect with the iron core.

5.Sealing Temperature Control Technology

It monitors the condition of fully sealed oil tanks under the influence of temperature variations, such as thermal expansion, deformation, and strength.

6.Component Temperature Control Technology

Components are made of insulation materials according to the temperature of their location, such as sealing gaskets.

7.Short-Circuit Temperature Control Technology

It adopts the DuPont Nomex® insulation technology to ensure high insulation heat resistance and strong overload capacity. Even under multiple short-circuit conditions, it does not cause mechanical damage or electrical faults due to temperature rise, nor does it compromise the lifespan of the insulation material.

Core Technology

Mature Structure Technology

The CEEG 35 kV oil-immersed transformer follows the conventional design: it features an iron core for easy winding; the high-voltage winding adopts **disc coils**; and the low-voltage winding adopts **wound or foil coils**.

Hybrid Insulation System

CEEG has collaborated with DuPont for over 25 years, and the high-temperature-resistant insulating paper from **Dupont Nomex® technology** demonstrates its stability and safety. The 35 kV oil-immersed transformer adopts a hybrid insulation system; in addition to **high-temperature-resistant insulating paper**, there are insulating materials that are always used in some parts that have low temperatures.These technologies and designs ensure the highest safety while operating.





The high-temperature resistance hybrid insulation technology



Maximum Safety

It is very safe while operating a high-temperature-resistant transformer at more than 40 ° C ambient temperature, and it can also be safely operated at over 20% rated capacity. Compare to the traditional transformer, this type of transformer has **a lower load factor (K24)** when operating continuously for 24 hours under varying ambient temperature.

Ambient Temperature (℃)	-10	0	10	20	30	40
S13(K24)	1.25	1.17	1.09	1.00	0.91	0.81
SRN(K24)	1.37	1.3	1.25	1.18	1.10	1.00

Performance Comparison

This is a performance comparison between conventional insulation transformers and hybrid insulation transformers.

Performance	Conventional Insulation	Hybrid Insulation	Remark
Noise	Higher	**Lower**	The noise level of hybrid insulating transformers is **5-8 dB lower** than that of conventional insulating transformers
Lifespan	Shorter	**Longer**	Generally, hybrid insulating transformers can **last for over 30 years**, whereas conventional insulation transformers can only last about 20 years
Overload Capacity	Poorer	**Stronger**	At the same temperature, the overload time of hybrid insulating transformers is **longer** than that of conventional insulating transformers
High Temperature Load Rate	Lower	**Higher**	At the same high temperature, the load factor of hybrid insulating transformers is **higher** than that of conventional insulating transformers
Need Maintenance	High	**Maintenance-Free**	Generally, there is no **need to maintain and replace** hybrid insulating transformers
Losses	Lower	**Lower**	The losses of both of transformers are lower
Voltage	Higher	**Higher**	The structure of the hybrid insulation transformer is similar to that of the traditional oil-immersed type transformer, so both of them can **provide high voltage** and have similar performances
Capacity	Longer	**Longer**	
Applications	Indoor/Outdoor	**Indoor/Outdoor**	
Moisture Resistance	Good	**Good**	
Dust Resistance	Good	**Good**	

Advanced Technology

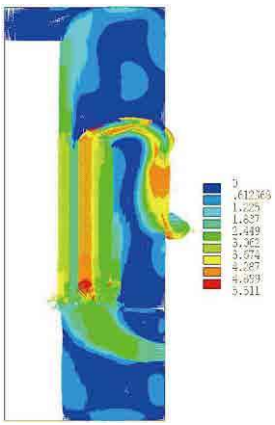
R & D Team

The CEEG research and development team focuses on advanced technologies for products and solutions. Over the past 35 years, CEEG has established a strong technology team that includes thousands of employees and many excellent experts. In addition, CEEG has partnered with many national research centers and top universities to develop more creative technologies.

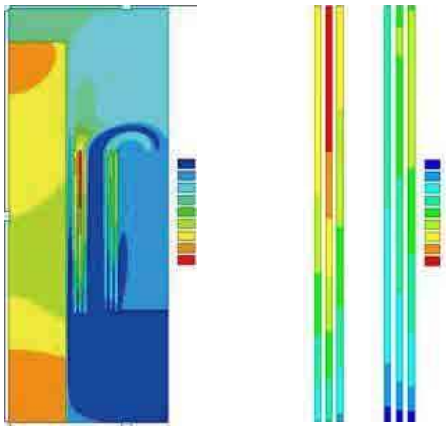
Strategic Partners

R & D Cloud Platform

The CEEG research cloud platform integrates many functions, such as electromagnetic design and optimization, parametric drawing, performance analysis, structural optimization, and automatic drawing of transformer production fields. This platform supports transformer resource sharing, data search, modification, and version control.



Flow field distribution



Temperature field distribution

Intelligent Operation Platform

By collecting key data such as transformer temperature, current, voltage, vibration, and power grid harmonics, this platform supports online power quality analysis and fault alarm. Customers can also download this APP to their phones for convenience.

Key Equipment





Testing Station





Medium and High voltage Transformer Production Factory Floor





Technical Parameters

S11-50 ~ 75000/35 De-energized voltage regulation transformers

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
50	35 ~ 38.5	±5% ±2×2.5%	0.4	Dyn11 Yyn0	0.16	1.20	1.30	6.5
100					0.23	2.01	1.10	
125					0.27	2.37	1.10	
160					0.28	2.82	1.00	
200					0.34	3.32	1.00	
250					0.40	3.95	0.95	
315					0.48	4.75	0.95	
400					0.58	5.74	0.85	
500					0.68	6.91	0.85	
630					0.83	7.86	0.65	
800					0.98	9.40	0.65	
1000					1.15	11.50	0.65	
1250					1.40	13.90	0.60	
1600					1.69	16.60	0.60	
2000					1.99	19.70	0.55	
2500					2.36	23.20	0.55	
630	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	0.83	7.86	0.65	6.5
800					0.98	9.40	0.65	
1000					1.15	11.50	0.65	
1250					1.40	13.90	0.55	
1600					1.69	16.60	0.45	
2000					2.17	18.30	0.45	
2500					2.56	19.60	0.45	
3150					3.04	23.00	0.45	7.0
4000					3.61	27.30	0.45	
5000					4.32	31.30	0.45	
6300					5.24	35.00	0.45	8.0
8000				YNd11	7.20	38.40	0.35	
10000					8.70	45.30	0.35	
12500					10.00	53.80	0.30	
16000					12.10	65.80	0.30	
20000					14.40	79.50	0.30	
25000					17.00	94.00	0.25	8.0 10.0
31500					20.20	112.00	0.25	
40000					25.90	150.00	0.25	
50000					29.40	210.00	0.25	
63000					31.20	250.00	0.20	
75000					33.40	300.00	0.20	

Rated Capacity (kVA)	Dimension (mm)			Weight (kg)	Gauge (mm)
	Length	Width	Height		
50	2300	950	2190	1285	660/660
100	1175	1000	1850	1015	
125	1190	1120	1870	1260	
160	1220	1140	1900	1390	
200	1240	1130	1955	1545	
250	1720	1140	1980	1635	
315	1820	1240	1950	1700	
400	1840	800	2400	2075	820/820
500	1960	830	2430	2450	
630	2050	1750	2275	3140	
800	2165	1430	2235	3525	
1000	2270	1125	2500	4970	
1250	2550	1146	2470	4910	
1600	2570	1240	2630	5730	
800	2240	900	2490	3780	
1000	2270	1125	2500	3980	
1250	2550	1200	2560	5260	
1600	2540	1240	2670	5530	1070/1070
2000	2060	1550	2850	6390	
2500	2560	2450	2860	7690	
3150	2740	2830	2870	8245	
4000	2930	2970	2930	8860	
5000	2950	2790	2895	10375	
6300	3110	2890	3360	14040	1475/1475
8000	3500	4150	3400	15865	
10000	3600	3600	3500	17750	
12500	4285	3720	3690	22450	
16000	4350	3910	4375	30050	
20000	5240	4100	4050	30900	2040/1475
25000	4682	3500	4255	31725	
31500	5800	4800	4400	42000	
40000	4830	4940	4470	49250	
50000	4960	5070	4510	56800	
63000	4990	5110	4740	60550	
75000	5010	5250	4880	66500	

SZ11-2000 ~ 40000/35 on-load voltage regulation transformer

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
2000	35~38.5	±3×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	2.30	19.20	0.50	6.5
2500					2.72	20.60	0.50	
3150					3.23	24.70	0.50	7.0
4000					3.87	29.10	0.50	
5000					4.64	34.20	0.50	
6300					5.63	36.70	0.50	7.5
8000				YNd11	7.87	40.60	0.40	
10000					9.28	48.00	0.40	8.0
12500					10.90	56.80	0.35	
16000					13.10	70.30	0.35	
20000					15.60	82.70	0.30	
25000					18.30	97.80	0.30	8.0 10.0
31500					21.80	116.00	0.30	
40000					26.20	139.00	0.30	

SZ11-2000 ~ 40000/35 on-load voltage regulation transformer

Rated Capacity (kVA)	Dimension (mm)			Weight (kg)	Gauge (mm)
	Length (mm)	Width (mm)	Height (mm)		
2000	3160	2170	2550	6900	1070/1070
2500	3250	2740	2740	7500	
3150	3360	2990	2850	8640	
4000	3540	2940	2950	11200	
5000	3800	3400	3250	11495	
6300	4150	3420	3750	13460	
8000	4350	3450	3790	16305	1475/1475
10000	4400	3520	3810	18090	
12500	4450	3670	3850	23400	
16000	4480	4080	3900	24300	
20000	4500	4200	3950	29540	2040/1475
25000	4990	4320	4080	36400	
31500	5220	4590	4140	44500	
40000	5430	4540	4270	53300	

S11-M-30 ~ 3150/10 distribution transformer

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
30	6 6.3 10 10.5	±5 ±2×2.5%	0.4	Dyn11 Yyno	0.1	0.63	1.50	4.0
50					0.13	0.91	1.30	
63					0.15	1.09	1.20	
80					0.18	1.31	1.20	
100					0.20	1.58	1.10	
125					0.24	1.89	1.10	
160					0.28	2.31	1.00	
200					0.34	2.73	1.00	
250					0.40	3.20	0.90	
315					0.48	3.83	0.90	
400					0.57	4.52	0.80	
500					0.68	5.41	0.80	
630					0.81	6.20	0.60	4.5
800					0.98	7.50	0.60	
1000					1.15	10.30	0.60	
1250					1.36	12.00	0.50	
1600					1.64	14.50	0.50	
2000					1.94	18.30	0.40	5.0
2500					2.29	21.20	0.40	
3150					2.81	26.66	0.40	

S11-M-30 ~ 3150/20 distribution transformer

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
30	20	±5 ±2×2.5%	0.4	Dyn11 Yyno	0.10	0.69	2.1	5.5
50					0.13	1.01	2.0	
63					0.15	1.20	1.9	
80					0.18	1.44	1.8	
100					0.2	1.73	1.6	
125					0.24	2.08	1.5	
160					0.29	2.54	1.4	
200					0.34	3.00	1.3	
250					0.40	3.52	1.2	
315					0.48	4.21	1.1	
400					0.57	4.97	1.0	
500					0.68	5.94	1.0	
630					0.81	6.82	0.9	6
800					0.98	8.25	0.8	
1000					1.15	11.33	0.7	
1250					1.38	13.20	0.7	
1600					1.66	15.95	0.6	
2000					1.95	19.14	0.6	
2500					2.34	22.22	0.5	
3150					2.78	26.42	0.5	

S18-3150 ~ 31500/35 De-energized voltage regulation transformer (3-Grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
3150	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	2.40	21.90	0.45	7.0
4000					2.90	25.90	0.45	
5000					3.50	29.70	0.45	
6300					4.20	33.30	0.45	8.0
8000				YNd11	5.80	36.50	0.35	
10000					7.00	43.00	0.35	
12500					8.00	51.10	0.30	8.0
16000					9.70	62.50	0.30	
20000					1 1.50	75.50	0.30	
25000					13.60	89.30	0.25	10.0
31500					16.20	106.40	0.25	

S20-3150 ~ 31500/35 De-energized voltage regulation transformer (2-Grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
3150	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	2.00	20.70	0.45	7.0
4000					2.30	24.60	0.45	
5000					2.80	28.20	0.45	
6300					3.40	31.50	0.45	8.0
8000				YNd11	4.70	34.60	0.35	
10000					5.70	40.80	0.35	
12500					6.50	48.40	0.30	8.0
16000					7.90	59.20	0.30	
20000					9.40	71.60	0.30	
25000					1 1.10	84.60	0.25	10.0
31500					13.10	100.80	0.25	

S22-3150 ~ 31500/35 De-energized voltage regulation transformer (1-Grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
3150	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	2.00	20.70	0.45	7.0
4000					2.30	24.60	0.45	
5000					2.80	28.20	0.45	
6300					3.40	31.50	0.45	8.0
8000				YNd11	4.70	34.60	0.35	
10000					5.70	40.80	0.35	
12500					6.50	48.40	0.30	8.0
16000					7.90	59.20	0.30	
20000					9.40	71.60	0.30	
25000					1 1.10	84.60	0.25	10.0
31500					13.10	100.80	0.25	

SZ18-3150 ~ 31500/35 on-load voltage regulation oil-immersed transformer (3-grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
3150	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	2.60	23.50	0.50	7.0
4000					3.10	27.60	0.50	
5000					3.70	32.50	0.50	
6300					4.50	34.90	0.50	7.5
8000				YNd11	6.30	38.60	0.40	
10000					7.40	45.60	0.40	
12500					8.70	54.00	0.35	8.0
16000					10.50	66.80	0.35	
20000					12.40	78.60	0.30	
25000					14.60	92.90	0.30	10.0
31500					17.40	110.20	0.30	

SZ20-3150 ~ 31500/35 on-load voltage regulation oil-immersed transformer (2-grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
3150	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	2.10	22.20	0.50	7.0
4000					2.50	26.20	0.50	
5000					3.00	30.80	0.50	
6300					3.70	33.00	0.50	7.5
8000				YNd11	5.10	36.50	0.40	
10000					6.00	43.20	0.40	
12500					7.10	51.10	0.35	8.0
16000					8.50	63.30	0.35	
20000					10.10	74.40	0.30	
25000					11.90	88.00	0.30	10.0
31500					14.20	104.40	0.30	

SZ22-3150 ~ 31500/35 on-load voltage regulation oil-immersed transformer (1-grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
3150	35 ~ 38.5	±5% ±2×2.5%	3.15 3.3 6.3 6.6 10.5 11.0	Yd11	1.80	22.20	0.50	7.0
4000					2.10	26.20	0.50	
5000					2.60	30.80	0.50	
6300					3.10	33.00	0.50	7.5
8000				YNd11	4.30	36.50	0.40	
10000					5.10	43.20	0.40	
12500					6.00	51.10	0.35	8.0
16000					7.20	63.30	0.35	
20000					8.50	74.40	0.30	
25000					10.10	88.00	0.30	10.0
31500					12.00	104.40	0.30	

S13-M-30 ~ 2500/10 distribution transformer (3-Grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
30	6 6.3 10 10.5	±5% ±2×2.5%	0.4	Dyn11 Yyn0	80.00	630/600	1.50	4.0
50					100.00	910/870	1.30	
63					110.00	1090/1040	1.20	
80					130.00	1310/1250	1.20	
100					150.00	1580/1500	1.10	
125					170.00	1890/1800	1.10	
160					200.00	2310/2200	1.00	
200					240.00	2730/2600	1.00	
250					290.00	3200/3050	0.90	
315					340.00	3830/3650	0.90	
400					410.00	4520/4300	0.80	
500					480.00	5410/5150	0.80	
630					570.00	6200	0.60	4.5
800					700.00	7500	0.60	
1000					830.00	10300	0.60	
1250					970.00	12000	0.50	
1600					1170.00	14500	0.50	
2000					1360.00	18300	0.40	5.0
2500					1600.00	21200	0.40	

S20-M-30 ~ 2500/10 distribution transformer (2-Grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
30	6 6.3 10 10.5	±5% ±2×2.5%	0.4	Dyn11 Yyn0	70.00	505/480	1.50	4.0
50					90.00	730/695	1.30	
63					100.00	870/830	1.20	
80					115.00	1050/1000	1.20	
100					135.00	1265/1200	1.10	
125					150.00	1510/1440	1.10	
160					180.00	1850/1760	1.00	
200					215.00	2185/2080	1.00	
250					260.00	2560/2440	0.90	
315					305.00	3065/2920	0.90	
400					370.00	3615/3440	0.80	
500					430.00	4330/4120	0.80	
630					510.00	4960	0.60	4.5
800					630.00	6000	0.60	
1000					745.00	8240	0.60	
1250					870.00	9600	0.50	
1600					1050.00	11600	0.50	
2000					1225.00	14640	0.40	5.0
2500					1440.00	14840	0.40	

S22-M-30 ~ 2500/10 distribution transformer (1-Grade energy efficiency)

Rated Capacity (kVA)	Voltage Ratio			Connection Symbol	P0 (kW)	Pk (kW) (75℃)	I0 (%)	Uk (%)
	HV (kV)	Tapping range	LV (kV)					
30	6 6.3 10 10.5	±5% ±2×2.5%	0.4	Dyn11 Yyn0	65.00	455/430	1.50	4.0
50					80.00	655/625	1.30	
63					90.00	785/745	1.20	
80					105.00	945/900	1.20	
100					120.00	1140/1080	1.10	
125					135.00	1360/1295	1.10	
160					160.00	1665/1585	1.00	
200					190.00	1970/1870	1.00	
250					230.00	2300/2195	0.90	
315					270.00	2760/2630	0.90	
400					330.00	3250/3095	0.80	
500					385.00	3900/3710	0.80	
630					460.00	4460	0.60	4.5
800					560.00	5400	0.60	
1000					665.00	7415	0.60	
1250					780.00	8640	0.50	
1600					940.00	10440	0.50	
2000					1085.00	13180	0.40	5.0
2500					1280.00	13360	0.40	

Qualifications



Product family



Amorphous Metal Transformer



VPI Transformer



Cast Resin Transformer



220kV Power Transformer



220kV Traction Transformer



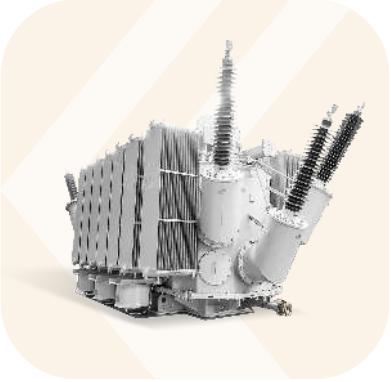
110kV Traction Transformer



110kV Power Transformer



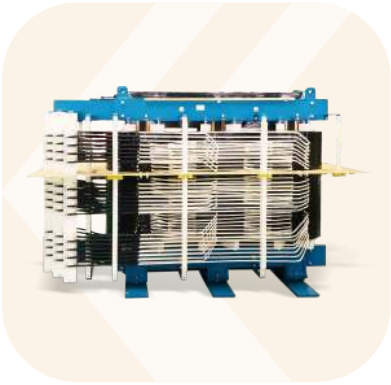
35kV Power Transformer



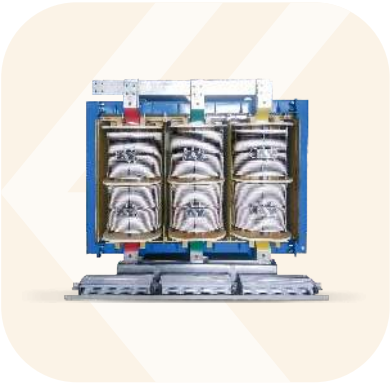
110kV Mobile Transformer



Mining Explosion-proof Substation



Ocean Platform Transformer



Integrated PV Step-up Transformer



Marine Offshore Duty Transformers



AFWF Transformer



Substation



Integrated Boost Converter



Marine Transformer



Substation



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