



Transformer
High/Low Voltage Switchgear

PRODUCT CATALOGUE

www.jxguoxiang.com



Safe & Reliable



Efficient
Manufacturing



Flexible
Configuration



JIANGXI GUOXIANG ELECTRIC POWER EQUIPMENT CO., LTD.

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JIANGXI GUOXIANG ELECTRIC POWER EQUIPMENT CO., LTD.



Company Profile

Established in 2016 and headquartered in Nanchang Economic Development Zone, Jiangxi Province, Jiangxi GUOXIANG Electric Power Equipment Co., Ltd. is a national high-tech enterprise specializing in comprehensive power solutions. We provide full-cycle services covering R&D, manufacturing, sales, and engineering support. Core products include energy-efficient distribution transformer, high/low-voltage switchgear, substation equipment, and customized electric power solutions, providing reliable infrastructure support for global clients.

Key Milestones

- ◇ 2017: Recognized as a *Scale Enterprise*
- ◇ 2018: Accredited as a *National High-Tech Enterprise*
- ◇ 2020: Designated as a *Technology-Based SME (small medium enterprise)*
- ◇ 2022:
 - Listed on the New Fourth Board (Stock Code: 166106)
 - Awarded Provincial *SSDI Enterprise* (Specialized, Sophisticated, Distinctive, Innovative)
 - Honored as *China Renowned Brand* and *National Key Promotional Unit*
- ◇ Ongoing: Pursuing *National SSDI "Little Giant"* certification

Technical Competence

As a state-certified transformer manufacturer jointly certified by China's economic authorities, power utilities, and machinery industry associations, our products are listed in the National Grid Upgrade Recommended Equipment Catalog. Beyond mandatory CCC certification, we maintain rigorous ISO 9001 quality management and ISO 14001 environmental management systems. Our R&D team integrates 20+ years of industry experts with technical innovators, enabling full-cycle capabilities from material development and structural design to final product validation.

Market-Validated Performance

- ◇ Growth: 40% CAGR sustained since inception
- ◇ Projects: Completed 230+ urban/rural grid modernization projects
- ◇ Clients: 92% Retention rate with State Grid and industrial partners
- ◇ Network: Service network covering many countries and regions around the world

Global Commitment

Guided by the principle "Enterprise Without Borders, Excellence Through Sincerity," we deliver:

- ◇ Premium Products: Rigorous quality control for safety and reliability.
- ◇ Client-Centric Service: Responsive support tailored to global needs.
- ◇ Sustainable Innovation: Committed to eco-friendly manufacturing through green tech R&D and ISO 14001-certified carbon reduction frameworks.

Strategic Vision

As a trusted partner in global power infrastructure, GUOXIANG drives the advancement of intelligent grid ecosystem. Through collaborative innovation and operational excellence, we empower industries worldwide to achieve energy resilience and sustainable development.





Manufacturing base

Located at No. 1066 Wangxian Road, Nanchang, the company operates a modern industrial base spanning 21,510 square meters, integrating smart manufacturing, technological R&D, and sustainable operations. The campus is designed with intelligent production workshops, standardized testing centers, and eco-friendly office areas, equipped with state-of-the-art production lines and precision inspection equipment. Innovative integrated photovoltaic (PV) building designs and clean energy solutions vividly exemplify the deep fusion of industrial manufacturing and ecological harmony, demonstrating the sustainable development philosophy of China's smart manufacturing.



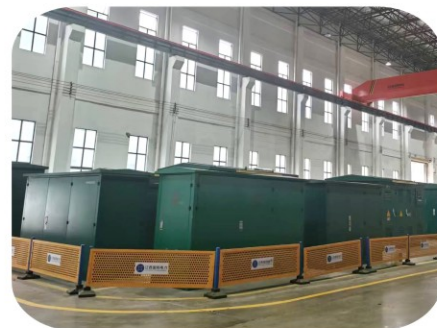
Certificates and Honors

GUOXIANG prioritizes quality management as its core competency, implementing an end-to-end ISO 9001 management system and upholding the policy of "Continuous refinement and improvement." As a first-batch designated enterprise under the national energy-saving program for high-efficiency distribution transformers, it holds certifications including CCC and ISO 14001 environmental management, driving ongoing quality evaluations and technological upgrades. With qualifications such as "Specialized, Sophisticated, Distinctive & Innovative (SSDI)" and "Technology-Based Small and Medium Enterprise", the company stands as a trusted supplier in grid transformation and industrial power distribution, backed by robust quality control expertise.





About production



About production





Application Industries



Metallurgical Industry



Machinery Manufacturing



Power Industry



Construction Industry



Railway Industry



Petroleum Industry

Partners (Partial)

CPFL Paulista (Brazil)	Jiujiang Power Supply Branch	Nanchang Power Supply Branch
State Grid Jiangxi Electric Power Co., Ltd.	Ji'an Power Supply Branch	Ganzhou Power Supply Branch
China Railway 12th Bureau Group Co., Ltd.	Shangrao Power Supply Branch	Yugan County Power Supply Branch
China Railway 14th Bureau Group Co., Ltd.	Tonggu County Power Supply Branch	Fuzhou Power Supply Branch
China National Petroleum Corporation (CNPC)	Dexing City Power Supply Branch	Le'an County Power Supply Branch
China Petroleum & Chemical Corporation (Sinopec)	Yichun Power Supply Branch	Jinxian County Power Supply Branch
Beijing Urban Construction Investment & Development Co., Ltd.	Pingxiang Power Supply Branch	Yingtian Power Supply Branch
Midea Real Estate Group & R&F Group (Hong Kong) Co., Ltd.	Ruichang City Power Supply Branch	Yiyang County Power Supply Branch
China Overseas Land & Investment Group Co., Ltd.	Jingdezhen Power Supply Branch	Northeast Jiangxi Power Supply Branch

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Transformer

Oil-Immersed Distribution Transformer

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Three-phase non encapsulated dry-type transformer
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Transformer Series



Transformer
High/Low Voltage Switchgear

JIANGXI GUOXIANG ELECTRIC POWER EQUIPMENT CO., LTD.

Three-phase oil-immersed transformer

S(B)11/13/20/22-M Series

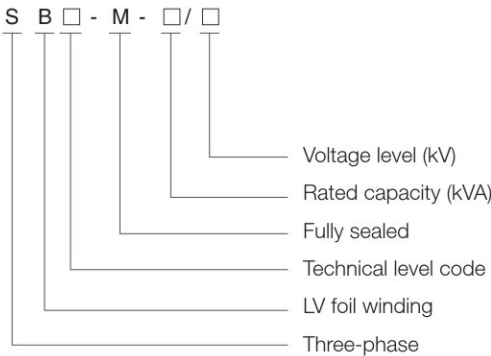


Three-phase oil-immersed transformer



S(B)11/13/20/22-M Series

Product model definition



Features

- ◇ Voltage level: 10~35/0.4kV, Capacity: 30~3150kVA.
- ◇ Laminated silicon steel core, three-phase balance and eliminates third harmonic generation.
- ◇ Significantly reduces no-load losses and excitation current, achieving remarkable energy savings.
- ◇ Fully sealed tank with vacuum oil injection prevents oil aging, eliminates leaks and maintenance-free.
- ◇ Corrugated fin radiator design enables self-cooling (ONAN) with thermal expansion compensation.
- ◇ Flexible connections for high/low-voltage leads, pressure relief valve, and temperature monitoring ensure safe operation.
- ◇ High-flash-point oil available upon request for enhanced safety, reliability, and extended service life.

Range of application

Suitable for urban and rural power grid construction and renovation projects, as well as other distribution engineering projects, such as high-rise buildings, densely populated residential areas, important government agencies, airports, subways, stations, ports, petrochemicals, metallurgical mining, power plants, and places that require fire and explosion prevention.

Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)				Load loss(W)			No-load curren(%)				Impe- dance voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)		11#	13#	20#	22#	11/13#	20#	22#	11#	13#	20#	22#	
30	6 6.3 6.6 10 10.5 11	± 5 or ± 2 × 2.5	0.4	Dyn11 or Yyn0	100	80	70	65	630/600	505/480	455/430	0.3	0.3	0.24	0.23	4
50					130	100	90	80	910/870	730/695	655/625	0.24	0.23	0.24	0.23	
80					180	130	115	105	1310/1250	1050/1000	945/900	0.22	0.18	0.21	0.20	
100					200	150	135	120	1580/1500	1265/1200	1140/1080	0.21	0.16	0.21	0.20	
125					240	170	150	135	1890/1800	1510/1440	1360/1295	0.2	0.15	0.19	0.18	
160					280	200	180	160	2310/2200	1850/1760	1665/1585	0.19	0.14	0.18	0.17	
200					340	240	215	190	2730/2600	2185/2080	1970/1870	0.18	0.12	0.17	0.16	
250					400	290	260	230	3200/3050	2560/2440	2300/2195	0.16	0.12	0.14	0.13	
315					480	340	305	270	3830/3650	3065/2920	2760/2630	0.16	0.11	0.13	0.12	
400					570	410	370	330	4520/4300	3615/3440	3250/3095	0.16	0.11	0.13	0.12	
500					680	480	430	385	5410/5150	4330/4120	3900/3710	0.16	0.1	0.12	0.11	
630					810	570	510	460	6200	4960	4460	0.15	0.09	0.12	0.11	
800					980	700	630	560	7500	6000	5400	0.15	0.09	0.1	0.1	
1000					1150	830	745	665	10300	8240	7415	0.14	0.09	0.1	0.09	
1250					1360	970	870	780	12000	9600	8640	0.13	0.08	0.1	0.09	
1600	1640	1170	1050	940	14500	11600	10440	0.12	0.07	0.09	0.08					
2000	1940	1360	1225	1085	18300	14640	13180	0.11	0.09	0.09	0.08					
2500	2290	1600	1440	1280	21200	14840	13360	0.11	0.08	0.09	0.08					
3150	2750	2180			24100			0.11	0.08			6				

Note: 1. The load loss with two values in the table, the value on the left is applicable to the Dyn11 vector group, and the value on the right is applicable to the Yyn0 vector group.
2. The above data is subject to change due to technical improvement.

Three-phase Oil-immersed amorphous transformer

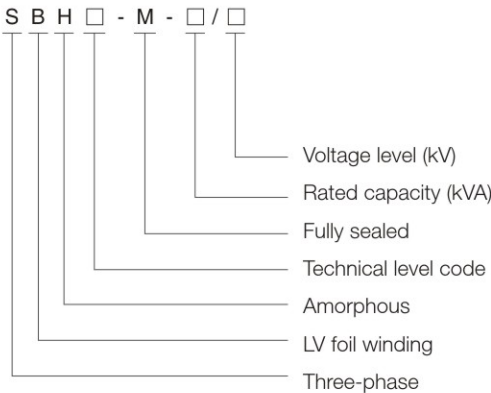
SBH15/21/25-M Series



Three-phase Oil-immersed amorphous transformer

SBH15/21/25-M Series

Product model definition



Features

- ◇ Voltage level: 10~35/0.4kV, Capacity: 30~2500kVA.
- ◇ Amorphous alloy core, three-phase balance and eliminates third harmonic generation.
- ◇ Special low-voltage coil structure effectively filters higher-order harmonics.
- ◇ Significantly reduces no-load losses and excitation current, achieving remarkable energy savings.
- ◇ Fully sealed tank with vacuum oil injection prevents oil aging, eliminates leaks and maintenance-free.
- ◇ Low heat generation, efficient heat dissipation, and strong overload capacity.

Range of application

Power distribution for power grid construction, power distribution engineering renovation projects, high-rise buildings, densely populated residential areas, important government agencies, airports, subways, stations, industrial and mining enterprises, petrochemicals, power plants, ports and docks, and other places with requirements for fire and explosion prevention.

Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)			Load loss(W)			No-load current (%)	Impe- dence voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)		15#	21#	25#	15#	21#	25#		
100	6 6.3 6.6 10 10.5 11	± 5 or ± 2 × 2.5	0.4	Dyn11 or Yyn0	75	75	60	1580	1350	1270	0.1	4
125					85	85	70	1890	1615	1530	0.1	4
160					100	100	80	2310	1975	1870	0.1	4
200					120	120	95	2730	2330	2210	0.1	4
250					140	140	110	3200	2735	2590	0.2	4
315					170	170	135	3830	3275	3100	0.2	4
400					200	200	160	4520	3865	3660	0.3	4
500					240	240	190	5410	4625	4380	0.3	4
630					320	320	250	6200	5300	5020	0.3	4.5
800					380	380	300	7500	6415	6075	0.3	4.5
1000					450	450	360	10300	8800	8340	0.4	4.5
1250					530	530	425	12000	10260	9720	0.4	4.5
1600					630	630	500	14500	12400	11745	0.3	4.5
2000					720	710	550	18300	14800	14000	0.3	5
2500					865	860	670	21200	16300	15450	0.25	5

Note: The above data is subject to change due to technical improvement.

Three-phase oil-immersed underground transformer

S11/13/20/22-M•D Series

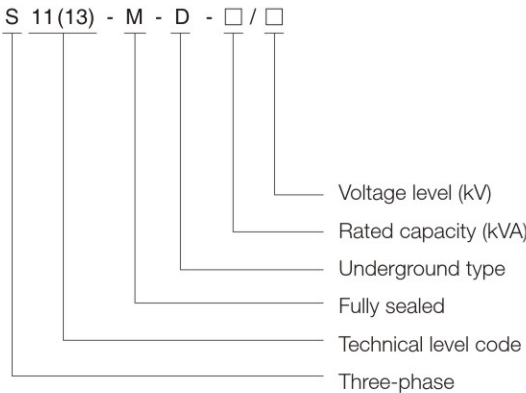


Three-phase oil-immersed underground transformer



S11/13/20/22-M•D Series

Product model definition



Features

- ◇ Low-loss materials and energy-saving structural design, significantly reducing no-load/short-circuit losses and enhancing energy utilization efficiency.
- ◇ With fully sealed and insulated design, achieving IP68 rating for moisture/water/dust protection, combined with self-cooling fins for stable operation in harsh environments.
- ◇ Underground installation substantially reduces noise ($\leq 55\text{dB}$) and electromagnetic radiation. Surface equipment integrates advertising light boxes with power distribution functions, balancing aesthetics and practicality.
- ◇ Fully buried main body eliminates above-ground space occupation, ideal for urban centers and space-constrained areas.
- ◇ Surface LV switchgear integrated with landscape features reduces hazards while enhancing urban aesthetics.

Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)				Load loss(W)			No-load current(%)				Impedance voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)		11#	13#	20#	22#	11/13#	20#	22#	11#	13#	20#	22#	
30	6	± 5 or $\pm 2 \times 2.5$	0.4	Dyn11 or Yyn0	100	80	70	65	630/600	505/480	455/430	0.3	0.3	0.24	0.23	4
50					130	100	90	80	910/870	730/695	655/625	0.24	0.23	0.24	0.23	
80					180	130	115	105	1310/1250	1050/1000	945/900	0.22	0.18	0.21	0.20	
100					200	150	135	120	1580/1500	1265/1200	1140/1080	0.21	0.16	0.21	0.20	
125					240	170	150	135	1890/1800	1510/1440	1360/1295	0.2	0.15	0.19	0.18	
160					280	200	180	160	2310/2200	1850/1760	1665/1585	0.19	0.14	0.18	0.17	
200					340	240	215	190	2730/2600	2185/2080	1970/1870	0.18	0.12	0.17	0.16	
250					400	290	260	230	3200/3050	2560/2440	2300/2195	0.16	0.12	0.14	0.13	
315					480	340	305	270	3830/3650	3065/2920	2760/2630	0.16	0.11	0.13	0.12	
400					570	410	370	330	4520/4300	3615/3440	3250/3095	0.16	0.11	0.13	0.12	
500					680	480	430	385	5410/5150	4330/4120	3900/3710	0.16	0.1	0.12	0.11	
630					810	570	510	460	6200	4960	4460	0.15	0.09	0.12	0.11	4. 5
800					980	700	630	560	7500	6000	5400	0.15	0.09	0.1	0.1	
1000					1150	830	745	665	10300	8240	7415	0.14	0.09	0.1	0.09	
1250					1360	970	870	780	12000	9600	8640	0.13	0.08	0.1	0.09	
1600					1640	1170	1050	940	14500	11600	10440	0.12	0.07	0.09	0.08	
2000					1940	1360	1225	1085	18300	14640	13180	0.11	0.09	0.09	0.08	
2500					2290	1600	1440	1280	21200	14840	13360	0.11	0.08	0.09	0.08	5. 5
3150					2750	2180			24100			0.11	0.08			6

Note: The above data is subject to change due to technical improvement.

Single-phase oil-immersed transformer

D11-M Series



Safe & Reliable



Efficient Manufacturing



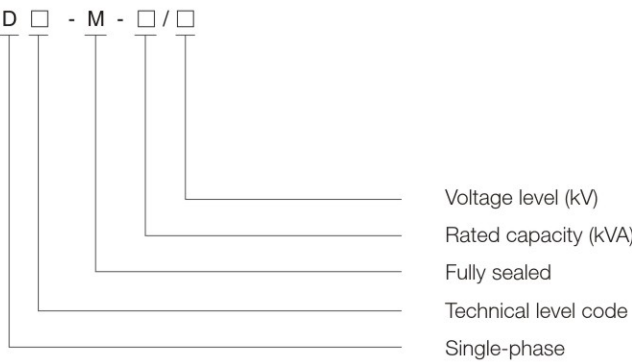
Flexible Configuration



Single-phase oil-immersed transformer

D11-M Series

Product model definition



Product Overview

In distribution networks with dispersed power supply, single-phase transformers offer significant advantages as distribution transformers. They can reduce the length of low-voltage distribution lines, minimize line losses, and improve power supply quality. Designed with a high-efficiency, energy-saving wound core structure, these transformers feature a pole-mounted suspension installation, compact size, low infrastructure investment, and a reduced low-voltage power supply radius, which can cut low-voltage line losses by over 60%. The fully sealed structure ensures strong overload capacity, high reliability for continuous operation, easy maintenance, and long service life.

Range of application

Suitable for rural power grids, remote areas, scattered villages, agricultural production, lighting and power applications. It can also be used for pole-mounted distribution lines in railway systems and urban grid energy-saving renovations. It can operate in single-phase mode or form a three-phase system when three units are grouped together.

Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss (W)	Load loss (W)	No-load current(%)	Impedance voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)					
10	6	± 5	2 × (0.22~0.24)	li0 li6	45	235	1.1	3.0
16					55	330	1.0	
20					65	385	0.9	
30					80	560	0.8	
40	6.3	± 2 × 2.5	or0.22~0.24		100	700	0.8	3.5
50	10				120	855	0.7	
63	10.5				145	1020	0.6	
80	11				160	1260	0.6	
100					190	1485	0.6	
125					230	1755	0.5	
160					290	2130	0.5	

Note: The above data is subject to change due to technical improvement.

35kV Three-phase oil-Immersed transformer

SZ11/13/20/22-M Series



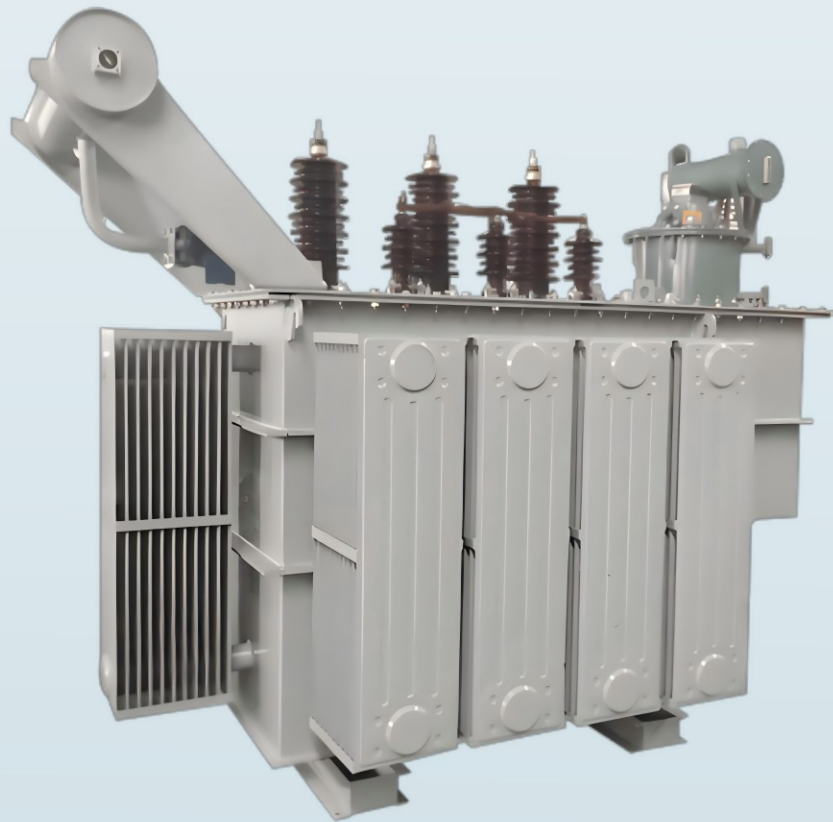
Safe & Reliable



Efficient Manufacturing



Flexible Configuration

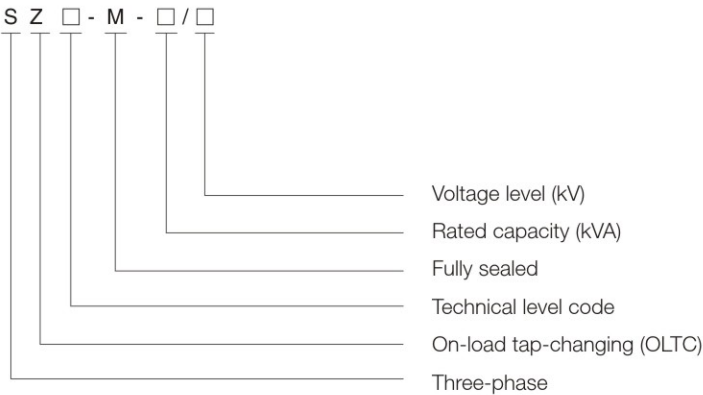


35kV Three-phase oil-Immersed transformer



SZ11/13/20/22-M Series

Product model definition



Product Overview

The 35kV Series power transformers incorporate advanced design principles with substantial improvements in materials, structural engineering, and manufacturing processes. The high/low-voltage clamping frames utilize steel straps combined with top and side beams to form a rigid frame structure, significantly enhancing core compression force and transportation impact resistance. These units deliver:

- Enhanced short-circuit withstand capacity
- Superior operational reliability with reduced losses
- Noise levels below industry standards
- Aesthetic industrial design

Performance benchmarks align with leading international equivalents in this class.

Technical specifications (Off-load tap-changing type)

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)				Load loss(W)				Impedance voltage (%)
	HV(kV)	Tapping range (%)	LV(kV)		11#	13#	20#	22#	11#	13#	20#	22#	
3150	35 38.5	± 5 or ± 2 × 2.5	31.5 6.3 10	Dyn11 or Yd11 or YNd11	3040	2400	2000	1700	23000	21900	20700	20700	7
4000					3610	2900	2300	2000	27300	25900	24600	24600	
5000					4320	3500	2800	2400	31300	29700	28200	28200	
6300					5240	4200	3400	2900	35000	33300	31500	31500	
8000					7200	5800	4700	4000	38400	36500	34600	34600	8
10000					8700	7000	5700	4800	45300	43000	40800	40800	
12500					10000	8000	6500	5500	53800	51100	48400	48400	
16000					12100	9700	7900	6700	65800	62500	59200	59200	
20000					14400	11500	9400	7900	79500	75500	71600	71600	10
25000					17000	13600	11100	9400	94000	89300	84600	84600	
31500					20200	16200	13100	11100	112000	106400	100800	100800	

Technical specifications (On-load tap-changing type)

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)				Load loss(W)				Impedance voltage (%)
	HV(kV)	Tapping range (%)	LV(kV)		11#	13#	20#	22#	11#	13#	20#	22#	
3150	35 38.5	± 5 or ± 2 × 2.5	31.5 6.3 10	Dyn11 or Yd11 or YNd11	3230	2600	2100	1800	24700	23500	22200	22200	7
4000					3870	3100	2500	2100	29100	27600	26200	26200	
5000					4640	3700	3000	2600	34200	32500	30800	30800	
6300					5630	4500	3700	3100	36700	34900	33000	33000	
8000					7870	6300	5100	4300	40600	38600	36500	36500	8
10000					9280	7400	6000	5100	48000	45600	43200	43200	
12500					10900	8700	7100	6000	56800	54000	51100	51100	
16000					13100	10500	8500	7200	70300	66800	63300	63300	
20000					15500	12400	10100	8500	82700	78600	74400	74400	10
25000					18300	14600	11900	10100	97800	92900	88000	88000	
31500					21800	17400	14200	12000	116000	110200	104400	104400	

Note: The above data is subject to change due to technical improvement.

Three-phase dry-type transformer

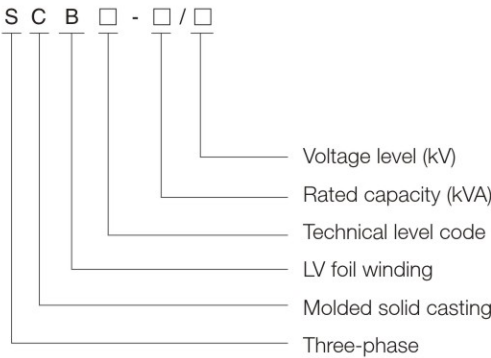
SCB11/12/13/14/18 Series



Three-phase dry-type transformer

SCB11/12/13/14/18 Series

Product model definition



Features

- ◇ Voltage level: 10~35/0.4kV, Capacity: 30~3150kVA.
- ◇ Laminated silicon steel core ensures three-phase balance and eliminates third harmonic generation.
- ◇ Drastically reduces no-load losses and excitation current, delivering exceptional energy savings.
- ◇ Encapsulated primary winding for complex environments.
- ◇ Vacuum-cast and cured winding form a solid monolithic structure with low partial discharge, high mechanical strength, and superior short-circuit resistance.
- ◇ Thin resin insulation layer enables efficient heat dissipation and strong overload capacity.

Range of application

High rise buildings, densely populated residential areas, important institutions, airports, subways, stations, ports, petrochemicals, metallurgy and mining, nuclear power plants, submarines, light rails, power plants, and places that require fire and explosion prevention.

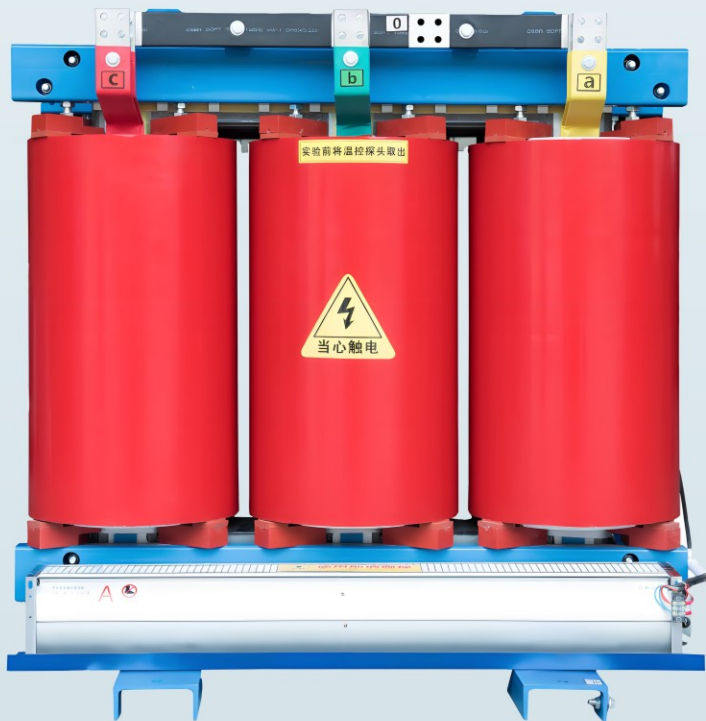
Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)						Load loss(W)			No-load current (%)	Impe- dence voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)		10#	11#	12#	13#	14#	18#	11.12#	13.14#	18#		
100	6 6.3 6.6 10 10.5 11	± 5 or ± 2 × 2.5	0.4	Dyn11	400	360	320	290	270	230	1570	1415	1520	0.7	4
125					470	420	375	340	320	270	1850	1665	1780	0.7	
160					540	480	430	385	365	310	2130	1915	2050	0.7	
200					620	550	495	445	420	360	2530	2275	2440	0.6	
250					720	640	575	515	490	415	2760	2485	2665	0.5	
315					880	790	705	635	600	510	3470	3125	3355	0.5	
400					980	880	785	705	665	570	3990	3590	3850	0.5	
500					1160	1040	930	835	791	670	4880	4390	4705	0.4	
630				Yyn0	1340	1200	1070	965	910	775	5880	5290	5660	0.4	6
630					1300	1170	1040	935	885	750	5960	5365	5760	0.35	
800					1520	1360	1215	1095	1035	875	6960	6265	6715	0.35	
1000					1770	1590	1415	1275	1205	1020	8130	7315	7885	0.3	
1250					2090	1880	1670	1505	1420	1205	9690	8720	9335	0.3	
1600					2450	2200	1960	1765	1665	1415	11730	10555	11320	0.25	
2000					3050	2740	2440	2195	2075	1760	14450	13005	14005	0.2	
2500					3600	3240	2880	2590	2450	2080	17170	15445	16605	0.2	
1600		± 2 × 2.5			2450	2200		1765			12960	11660		0.2	8
2000					3050	2740		2195			15960	14360		0.2	
2500					3600	3240		2590			18890	17000		0.2	

Note: The above data is subject to change due to technical improvement.

Three-phase dry-type amorphous transformer

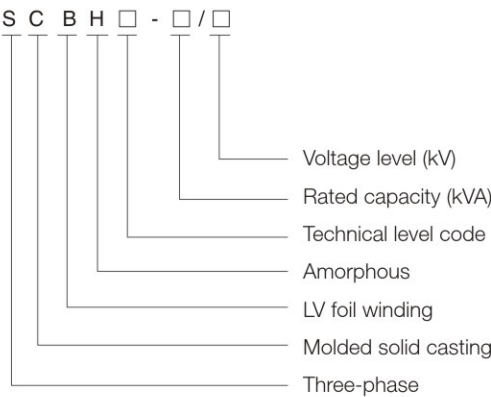
SCBH15/17/19 Series



Three-phase dry-type amorphous transformer

SCBH15/17/19 Series

Product model definition



Features

- ◇ Voltage level: 10-35/0.4KV, Capacity: 30-5000KVA.
- ◇ Laminated amorphous alloy core design ensures three-phase balance and eliminates third harmonic generation.
- ◇ Special low-voltage coil structure effectively suppresses higher-order harmonics.
- ◇ Reduces no-load losses and excitation current, achieving high energy savings.
- ◇ Epoxy resin encapsulated primary insulation ensures high mechanical strength, short-circuit resistance, and reliability in complex environments.
- ◇ Thermal Performance: Low heat generation, efficient heat dissipation, and exceptional overload capacity.

Range of application

For power distribution in high-rise buildings, densely populated residential areas, important government agencies, airports, subways, stations, industrial and mining enterprises, petrochemicals, power plants, ports and other places that require fire and explosion prevention.

Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)			Load loss(W)(120℃)			No-load current (%)	Impedance voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)		15#	17#	19#	15#	17#	19#		
100	6	± 5 or ± 2 × 2.5	0.4	Dyn11 or Yyn0	130	110	90	1570	1415	1415	1.0	4
125					150	130	105	1850	1665	1665	1.0	4
160					170	145	120	2130	1915	1915	1.0	4
200					200	170	140	2530	2275	2275	0.8	4
250					230	195	160	2760	2485	2485	0.7	4
315					280	235	195	3470	3125	3125	0.7	4
400					310	265	215	3990	3590	3590	0.7	4
500					360	305	250	4880	4390	4390	0.6	4
630					420	360	295	5880	5290	5290	0.6	4
630					410	350	290	5960	5365	5365	0.5	6
800					480	410	335	6960	6265	6265	0.5	6
1000					550	470	385	8130	7315	7315	0.4	6
1250					650	550	455	9690	8720	8720	0.4	6
1600					760	645	530	11730	10555	10555	0.3	6
2000					1000	850	700	14450	13005	13005	0.3	6
2500					1200	1020	840	17170	15445	15445	0.25	6

Note: The above data is subject to change due to technical improvement.

Three-phase non encapsulated dry-type transformer

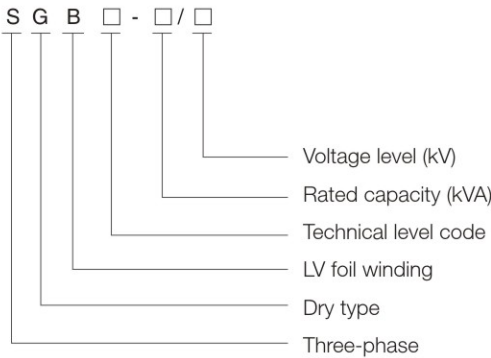
SGB11/12/13/14/18 Series



Three-phase non encapsulated dry-type transformer

SGB11/12/13/14/18 Series

Product model definition



Features

- ◇ Voltage level: 10~35/0.4kV, Capacity: 30~3150kVA.
- ◇ Laminated silicon steel, eliminating third-harmonic generation and delivering significant energy savings.
- ◇ H-class insulation with C-class NOMEX paper as the primary insulation material.
- ◇ Pancake HV + foil LV windings for low leakage reactance and short-circuit resistance.
- ◇ Low heat generation, excellent heat dissipation, high insulation rating and overload capacity.
- ◇ Secondary vacuum pressure impregnation treatment for moisture-proof, corrosion-resistant, low partial discharge performance.
- ◇ Fully recyclable, non-polluting at end-of-life.

Range of application

High-rise buildings, densely populated residential areas, key government institutions, airports, subways, railway stations, ports, petrochemical plants, metallurgical and mining sites, nuclear power plants, nuclear submarines, light rail systems, power plants, and locations requiring fire and explosion protection.

Technical specifications

Rated capacity (kVA)	Rated voltage			Vector group	No-load loss(W)						Load loss(W)			No-load current (%)	Impe- dance voltage (%)
	H V (kV)	Tapping range (%)	LV (kV)		10#	11#	12#	13#	14#	18#	11.12#	13.14#	18#		
											120℃	120℃	145℃		
100	6 6.3 6.6 10 10.5 11	± 5 or ± 2 × 2.5	0.4	Dyn11 or Yyn0	400	360	320	290	270	230	1570	1415	1520	0.7	4
125					470	420	375	340	320	270	1850	1665	1780	0.7	
160					540	480	430	385	365	310	2130	1915	2050	0.7	
200					620	550	495	445	420	360	2530	2275	2440	0.6	
250					720	640	575	515	490	415	2760	2485	2665	0.5	
315					880	790	705	635	600	510	3470	3125	3355	0.5	
400					980	880	785	705	665	570	3990	3590	3850	0.5	6
500					1160	1040	930	835	791	670	4880	4390	4705	0.4	
630					1340	1200	1070	965	910	775	5880	5290	5660	0.4	
630					1300	1170	1040	935	885	750	5960	5365	5760	0.35	
800					1520	1360	1215	1095	1035	875	6960	6265	6715	0.35	
1000					1770	1590	1415	1275	1205	1020	8130	7315	7885	0.3	
1250					2090	1880	1670	1505	1420	1205	9690	8720	9335	0.3	
1600					2450	2200	1960	1765	1665	1415	11730	10555	11320	0.25	
2000					3050	2740	2440	2195	2075	1760	14450	13005	14005	0.2	
2500					3600	3240	2880	2590	2450	2080	17170	15445	16605	0.2	
1600	2450	2200		1765			12960	11660		0.2	8				
2000	3050	2740		2195			15960	14360		0.2					
2500	3600	3240		2590			18890	17000		0.2					

Note: The above data is subject to change due to technical improvement.