Zturnbuilder

POWER EQUIPMENT

TRANSFORMER PRODUCT CATALOG

Power Transformers | Distribution Transformers | Dry-Type Transformers | New Energy | Special & Export Transformers

English Edition



Reliable Transformer & Power Equipment Solutions

Global sourcing support by Zturnbuilder

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Zturnbuilder Transformer Product Catalog - English Edition

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Corporate profile, honor, certification, factory-layout and other YAWEI corporate-introduction pages have been removed from this edition.

01

POWER TRANSFORMER



PRODUCT OVERVIEW

OVERVIEW

High-voltage power transformers designed for reliable transmission applications. Optimized core, winding, insulation and tank structures support low loss, low noise and stable long-term operation.

- Designed for grid and large industrial power applications
- Low-loss, low-noise structure
- Reliable insulation and thermal performance

POWER TRANSFORMER

380	750/√3	24.0、27.0	Ii0	0.10	15或18	140	810

750kV 260MVA~380MVA oil-immersed single-phase double-winding power transformer

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
750	800 750	20	YNd11	0.10	25	245	1400
1140		20、22、24、27		0.10	19~20	370	2135

750kV 500MVA~700MVA single-phase three-winding autotransformer

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
500	800/√3 750/√3	242/√3	63 66	Ia0i0	0.15	高压 ~ 中压 HV~MV: 19 高压 ~ 低压 HV~LV: 46 中压 ~ 低压 MV~LV: 24	110	860	500/500/150
500		345/√3			0.15	高压 ~ 中压 HV~MV: 14 高压 ~ 低压 HV~LV: 50 中压 ~ 低压 MV~LV: 33	125	860	500/50/150
700					0.15	高压 ~ 中压 HV~MV: 18 高压 ~ 低压 HV~LV: 56 中压 ~ 低压 MV~LV: 36	130	1225	700/700/233

POWER TRANSFORMER

120	500/√3 525/√3 535/√3 550/√3	±2×2.5	15.75、18、20	Ii0	0.16	14	39	234
200			15.75、18、20、24		0.12		63	342
223			18		0.12		68	371
240			18、20、24		0.12		72	392
260			18、20		0.12		77	414
380			24、27		0.12	16 或 (or) 18	102	549
400					0.12		106	570
410					0.12		108	581
484					0.12		123	657

500kV oil-immersed three-phase double-winding unexcited voltage regulating power transformer

Rated Capacity | Rated Voltage / Tapping Range | Vector Group | No-load Current | Impedance | No-load Loss | On-load Loss								
120	500 525 550	±2×2.5	13.8、15.75	YNd11	0.2	14	41	356
160					0.16		50	441
240					0.16		69	599
300			13.8、15.75、18		0.16		80	707
370			15.75、18、20		0.12		94	810
400			18、20、24		0.12		96	855
420			15.75、18、20		0.12	14 或 (or) 16	102	860
480			15.75、18、20		0.12		110	954
600			15.75、18、20、24		0.12		143	1202
720			18、20、24		0.08		168	1382
750			20、22		0.08	16 或 (or) 18	173	1422
780			22		0.08		176	1467
860					0.08		190	1575
1140			27		0.08		237	1949
1170					0.08		242	1980

POWER TRANSFORMER

120000	345 363	±2×2.5	10.5 13.8 15.75 18 20	YNd11	0.35	14~15	47	306
150000					0.33		56	362
180000					0.30		64	415
240000					0.27		80	515
360000					0.27		109	722
370000					0.24		111	736
400000					0.24		118	780
720000					0.16		183	1212

330kV oil-immersed three-phase three-winding unexcited voltage regulating power transformer

Rated Capacity | Rated Voltage / Tapping Range | Vector Group | No-load Current | Impedance | No-load Loss | On-load Loss								
90000	330 345	±2×2.5	121	10.5 13.8 15.75	YNyn0d11	0.37	高压 ~ 中压 HV~MV: 24~26	42	302
120000						0.37		53	374
150000						0.34	高压 ~ 低压 HV~LV: 14~15	63	442
180000						0.34	中压 ~ 低压 MV~LV: 8~9	72	507
240000						0.32		89	629

POWER TRANSFORMER

40000	220 242	±2×2.5	6.3 6.6 10.5	YNd11	0.45	12~14	18	134
50000					0.42		21	161
63000					0.42		25	188
75000			10.5 13.8		0.38		29	213
90000					0.35		34	246
120000					0.35		41	304
150000			10.5 13.8 15.75 18 20		0.32		49	360
160000					0.31		51	378
180000					0.29		56	413
240000					0.26		70	484

220kV Oil-immersed three-phase three-winding unexcited voltage regulating power transformer

Rated Capacity	Rated Voltage / Tapping Range		Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss	
31500	220 230 242	±2×2.5	69 115 121	YNyn0d11	0.45	高压 ~ 中压 HV~MV: 22~24 高压 ~ 低压 HV~LV: 12~14 中压 ~ 低压 MV~LV: 7~9	高压 ~ 中压 HV~MV: 12~14 高压 ~ 低压 HV~LV: 22~24 中压 ~ 低压 MV~LV: 7~9	18	138
40000					0.4			21	165
50000					0.35			24	194
63000					0.35			29	231
90000					0.31			37	300
120000					0.31			46	369
150000					0.26			55	438
180000					0.26			62	500
240000					0.22			72	616
300000					0.19			91	726

POWER TRANSFORMER

40000	220 230	±4×1.25 ±6×1.25 ±8×1.25	10.5 21 36 37 38.5	YNd11	0.46	12~14	20	134
50000					0.42		24	161
63000					0.42		28	188
90000			10.5 21 36 37 38.5		0.36		35	246
120000					0.36		43	304
150000					0.33		51	360
180000					0.30		59	413
120000			66 69		0.36		45	303
150000					0.33		53	355
180000					0.30		62	406
240000					0.24		77	504

220kV oil-immersed three-phase three-winding on-load voltage regulating power transformer

Rated Capacity	Rated Voltage / Tapping Range		Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss	
31500	220 230	±4×1.25 ±6×1.25 ±8×1.25	69 115 121	YNyn0d11	0.5	高压 ~ 中压 HV~MV: 12~14 高压 ~ 低压 HV~LV: 22~24 中压 ~ 低压 MV~LV: 7~9	19	138
40000					0.48		23	165
50000					0.48		26	194
63000					0.44		31	231
90000					0.35		40	300
120000					0.35		51	369
150000					0.31		59	438
180000					0.31		68	538
240000					0.28		85	667

POWER TRANSFORMER

8000	110 151 121	±2×2.5	6.3 6.6 10.5	YNd11	0.5	10.5	4.9	38
10000					0.46		5.8	45
12500					0.46		6.8	53
16000					0.43		8.3	65.7
20000					0.43		9.7	79
25000					0.4		11.4	94
31500					0.38		13.5	111
40000					0.36		16.2	133
50000					0.34		19.4	158
63000					0.3		22.9	187
75000			13.8 15.75 18 21		0.26	12-14	26.0	212
90000					0.24		29.9	245
120000					0.22		37.3	303
150000					0.19		44.1	359
180000					0.16		49.5	411

110kV oil-immersed three-phase three-winding unexcited voltage regulating transformer

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss		
6300	110 115 121	±2×2.5	36 37 38.5	6.3 6.6 10.5 21	YNyn0d11	0.53	高压 ~ 中压 HV~MV: 17.5~18.5 高压 ~ 低压 HV~LV: 10.5 中压 ~ 低压 MV~LV: 6.5	高压 ~ 中压 HV~MV: 10.5 高压 ~ 低压 HV~LV: 17.5~19 中压 ~ 低压 MV~LV: 6.5	4.9	40
8000						0.5			5.8	48
10000						0.47			6.9	56
12500						0.45			8.1	67
16000						0.42			9.8	81
20000						0.42			11.6	95
25000						0.38			13.5	113
31500						0.38			16.2	134
40000						0.35			19.1	161
50000						0.35			22.9	192
63000						0.32			27.1	230

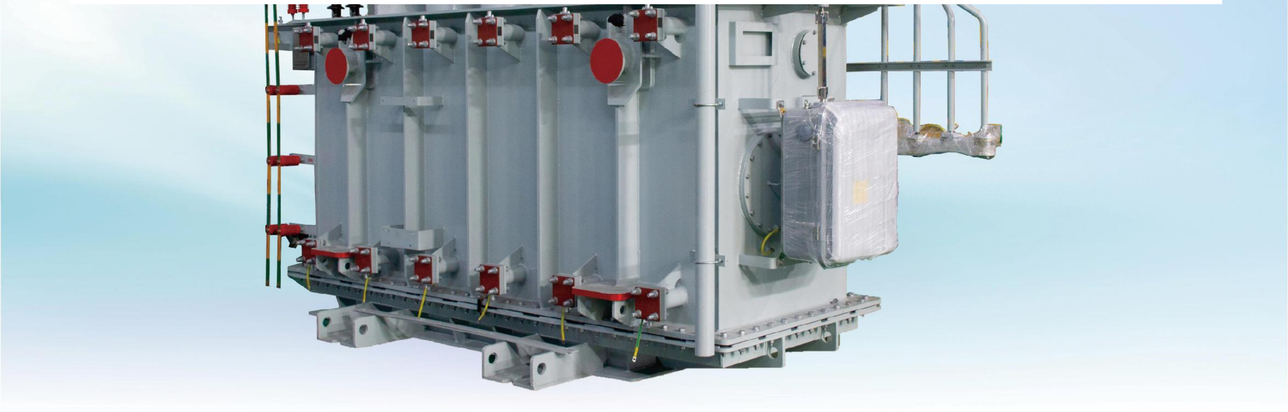
POWER TRANSFORMER

8000	110	±4×1.25 ±6×1.25 ±8×1.25	6.3 6.6 10.5 21	YNd11	0.51	10.5	5.3	38
10000					0.47		6.2	45
12500					0.47		7.4	53
16000					0.44		8.9	66
20000					0.44		10.6	79
25000					0.41		12.5	94
31500					0.41		14.9	111
40000					0.37	10.5~18	17.8	140
50000					0.37		21.0	175
63000					0.34		25.0	209

110kV oil-immersed three-phase three-winding on-load voltage regulating power transformer

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss		
6300	110	±4×2.5 ±6×2.5 ±8×2.5	36 37 38.5	6.3 6.6 10.5 21	YNyn0d11	0.61	高压 ~ 中压 HV~MV: 10.5 高压 ~ 低压 HV~LV: 17.5~19 中压 ~ 低压 MV~LV: 6.5	5.3	40
8000						0.61		6.3	48
10000						0.57		7.5	56
12500						0.57		8.9	67
16000						0.54		10.6	81
20000						0.54		12.5	95
25000						0.5		14.9	113
31500						0.5		17.7	134
40000						0.46		21.2	161
50000						0.46		25.0	192
63000						0.42		29.8	230

POWER TRANSFORMER



PRODUCT OVERVIEW

OVERVIEW

High-voltage power transformers designed for reliable transmission applications. Optimized core, winding, insulation and tank structures support low loss, low noise and stable long-term operation.

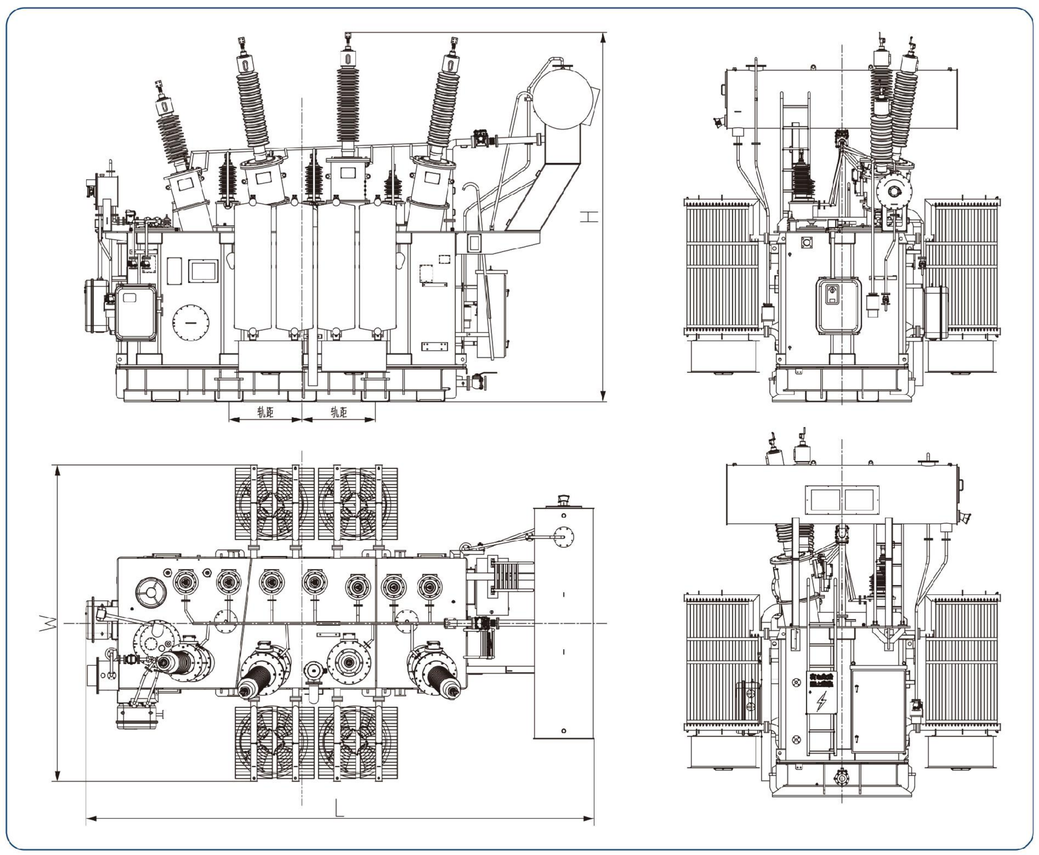
- Designed for grid and large industrial power applications
- Low-loss, low-noise structure
- Reliable insulation and thermal performance

POWER TRANSFORMER

8000					0.48		5.5	36.5
10000					0.45		6.2	43.0
12500					0.45		7.4	51.1
16000	63	±4×1.25	6.3		0.42	9	8.9	62.8
20000	66	±6×1.25	6.6	YNd11	0.42		10.6	76.1
25000	69	±8×1.25	10.5		0.38		12.5	90.0
31500					0.35		14.8	108.0
40000					0.35		17.7	126.9
50000					0.32	10~12	20.9	150.3
63000					0.29		24.7	178.2

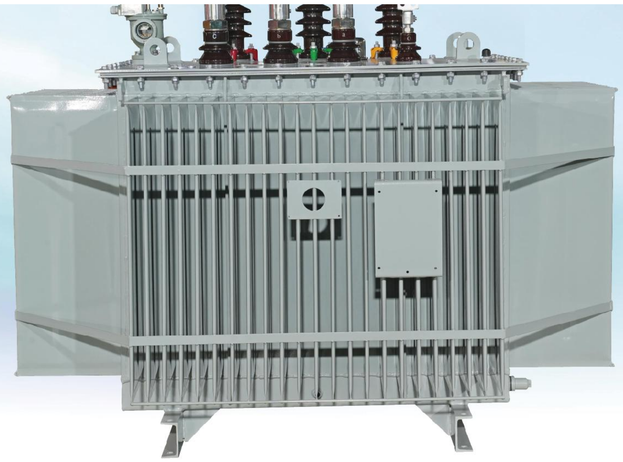
TECHNICAL DATA

OUTLINE INSTALLATION DIMENSIONS



02

OIL-IMMERSED DISTRIBUTION TRANSFORMER



PRODUCT OVERVIEW

OVERVIEW

Fully sealed oil-immersed distribution transformers for utility and industrial distribution networks. The sealed tank structure reduces maintenance demand while supporting reliable operation and compact installation.

- Stable operation and long service life
- Low no-load loss and efficient distribution performance
- Suitable for utility and industrial networks

OIL-IMMERSED DISTRIBUTION TRANSFORMER

6300	35~38.5	±2×2.5	3.15 3.3 6.3 6.6 10.5	YNd11	0.36	8.0	2.9	31.5
8000					0.28		4.0	34.6
10000					0.28		4.8	40.8
12500					0.24		5.5	48.4
16000					0.24		6.7	59.2
20000					0.24		7.9	71.6
25000					0.20	10.0	9.4	84.6
31500					0.20		11.1	100.8

35kV oil-immersed three-phase double-winding on-load regulating power transformer

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
3150	35 ~ 38.5	±3×2.5	6.3 10.5	Yd11	0.40	7.0	1.8	22.2
4000					0.40		2.1	26.2
5000					0.40		2.6	30.8
6300					0.40	7.5或 8.0	3.1	33.0
8000					0.32		4.3	36.5
10000					0.32		5.1	43.2
12500			6.3 6.6 10.5	YNd11	0.28		6.0	51.1
16000					0.28		7.2	63.3
20000					0.28		8.5	74.4
25000					0.24	10.0	10.1	88.0
31500					0.24		12.0	104.4

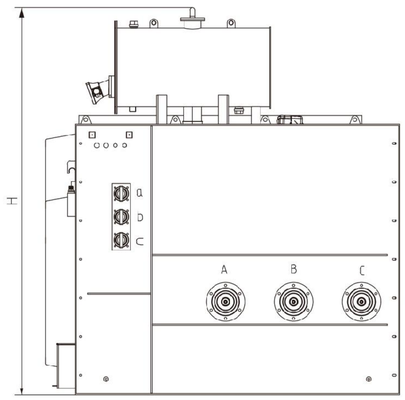
10kV oil-immersed three-phase double-winding unexcited voltage regulation distribution transformer energy efficiency class

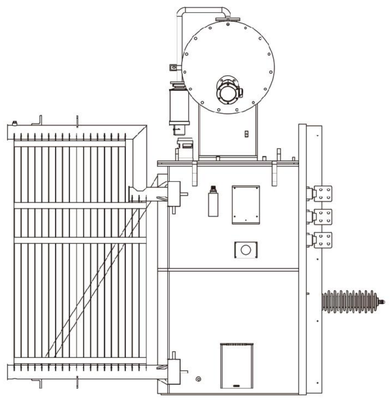
Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
30	6 6.3 10 10.5	±2×2.5 ±5	0.4	Dyn11 Yzn11 Yyn0	1.20	4.0	65	455	430
50					1.04		80	655	625
63					0.96		90	785	745
80					0.96		105	945	900
100					0.88		120	1140	1080
125					0.88		135	1360	1295
160					0.80		160	1665	1585
200					0.80		190	1970	1870
250					0.72		230	2300	2195
315					0.72		270	2760	2630
400					0.64		330	3250	3095
500					0.64		385	3900	3710
630					0.48	4.5	460	4460	
800					0.48		560	5400	
1000					0.48		665	7415	
1250					0.40		780	8640	
1600					0.40		940	10440	
2000					0.32	5.0	1085	13180	
2500					0.32		1280	15270	

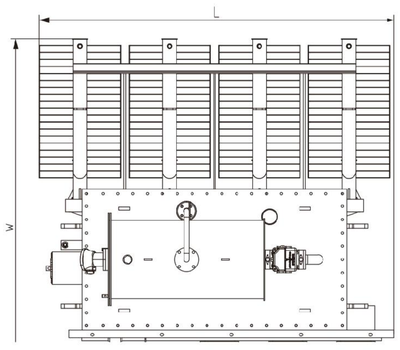
OIL-IMMERSED DISTRIBUTION TRANSFORMER

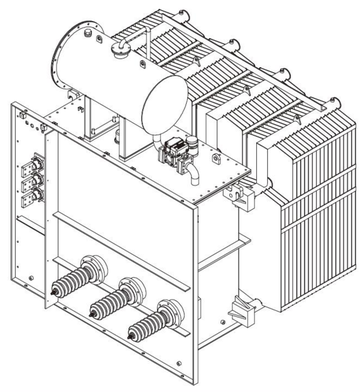
400	6 6.3 10 10.5	±4×2.5	0.4	Dyn11 Yyn0	0.64	4.5	0.51	4.95
500					0.64		0.61	5.89
630					0.48		0.77	7.26
800					0.48		0.90	8.89
1000					0.48		1.09	10.4
1250					0.40		1.25	12.3
1600					0.40		1.54	14.7
2000					0.32	5.0	1.82	18.6
2500					0.32		2.14	21.6

TECHNICAL DATA OUTLINE INSTALLATION DIMENSIONS

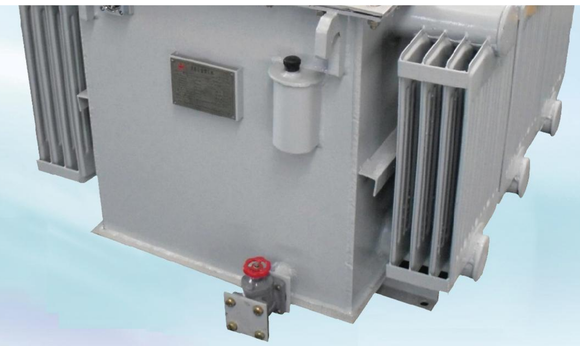








S(B)H15(21-25)-M SEALED AMORPHOUS ALLOY POWER TRANSFORMER



PRODUCT OVERVIEW

产品概述 OVERVIEW

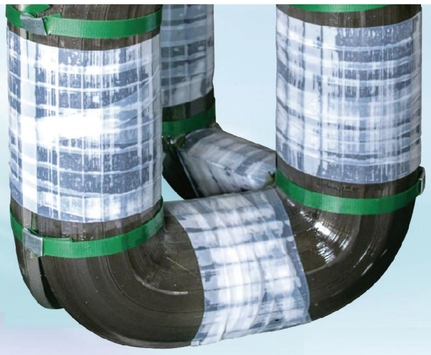
该产品是全充油密封型、原理同密封型电力变压器。非晶合金的基础元素是铁、镍、钴、硼、碳等组成、是一种向同性的软磁材料，

OVERVIEW

Energy-saving oil-immersed transformer using an amorphous-alloy core to reduce no-load losses. The sealed structure supports reliable distribution service and reduced maintenance.

- Low no-load loss
- Sealed oil-tank structure
- Designed for energy-efficient distribution systems

THREE-DIMENSIONAL CORE



PRODUCT OVERVIEW

产品概述 OVERVIEW

电力变压器是应用极为广泛的电力基础产品。几十年来，我国和世界各地均长期延用插片式电力变压器，其性能一直没有得到根本性

OVERVIEW

Three-dimensional wound-core transformer technology uses a continuous magnetic circuit to reduce magnetic resistance, losses and operating noise while maintaining a compact structure.

- Three-dimensional wound core
- Reduced no-load loss and noise
- Compact and energy-efficient design

03

DRY-TYPE TRANSFORMER



PRODUCT OVERVIEW

产品概述 OVERVIEW

1、安全，难燃防火，无污染，可直接安装在负荷中心。

OVERVIEW

Dry-type transformers are designed for indoor distribution systems where fire safety, low maintenance and environmental performance are important. They provide stable electrical performance with low loss and low noise.

- Flame-retardant and maintenance-friendly
- Low loss and low partial discharge
- Suitable for buildings, industry and infrastructure

DRY-TYPE TRANSFORMER

1250	35 36 37 38.5	±2×2.5% ±5	3.15 6 6.3 10 10.5 11	Dyn11 Yd11 Yyn0	0.75	6.0	2.81	12.1	12.9	13.8
1600					0.75		3.32	14.6	15.4	16.5
2000					0.65	7.0	3.80	17.2	18.2	19.5
2500					0.65		4.37	20.6	21.8	23.3
3150					0.60	8.0	5.42	23.1	24.5	26.2
4000					0.60		6.31	27.7	29.4	31.5
5000					0.55		7.53	32.9	34.9	37.4
6300					0.55		8.91	38.5	40.8	43.7
8000				Dyn11 Yd11 YNd11	0.45	9.0	10.1	43.4	46.0	49.3
10000					0.45		11.6	52.4	55.5	59.4
12500			6 6.3 10 10.5 11		0.35		14.1	60.9	64.6	69.1
16000					0.35		17.3	71.7	76.0	81.3
20000					0.30	10.0	20.6	80.6	85.5	91.5
25000					0.30		24.3	95.3	101	108

35kV dry load regulating power transformer

Rated Capacity | Rated Voltage / Tapping Range | Vector Group | No-load Current | Impedance | No-load Loss | On-load Loss										
2000	35 36 37 38.5	±4×2.5%	6 6.3 10 10.5 11	Dyn11 Yd11	0.65	7.0	4.05	17.9	19.0	20.3
2500					0.65		4.69	21.3	22.6	24.2
3150					0.60	8.0	5.67	24.0	25.4	27.2
4000					0.60		6.64	28.7	30.4	32.6
5000					0.50		7.85	34.0	36.1	38.6
6300					0.50		9.27	39.4	41.8	44.7
8000					0.45	9.0	10.6	44.8	47.5	50.8
10000					0.45		12.1	53.9	57.1	61.2
12500					0.35		14.7	62.7	66.5	71.1
16000					0.35		18.1	73.8	78.2	83.7
20000					0.30	10.0	21.4	83.0	88.0	94.2
25000					0.30		25.2	98.2	104	111

DRY-TYPE TRANSFORMER

100	20 22 24	±5	0.4	Yyn0 Dyn11	1.6	6.0	0.485	1.87	1.99	2.13
160					1.4		0.600	2.33	2.47	2.64
200		±2×2.5 ±5			1.4		0.655	2.77	2.94	3.14
250					1.2		0.755	3.22	3.42	3.66
315					1.2		0.870	3.85	4.08	4.36
400					1.0		1.03	4.65	4.84	5.18
500					1.0		1.21	5.46	5.79	6.19
630					0.90		1.37	6.45	6.84	7.32
800					0.90		1.57	7.79	8.26	8.84
1000					0.80		1.86	9.22	9.78	10.4
1250					0.80		2.14	10.8	11.5	12.3
1600					0.80		2.51	13.0	13.8	14.8
2000					0.60		2.91	15.4	16.3	17.5
2500					0.60		3.48	18.2	19.3	20.7
2000					0.60	8.0	2.91	16.8	17.8	19.1
2500					0.60		3.48	20.0	21.2	22.7

10kV dry three-phase double-winding non-excitation regulating distribution transformer

Rated Capacity | Rated Voltage / Tapping Range | Vector Group | No-load Current | Impedance | No-load Loss | On-load Loss										
30	6 6.3 6.6 10 10.5 11	±2.5 ±5	0.4	Yyn0 Dyn11	2.0	4.0	0.105	0.605	0.64	0.685
50					2.0		0.155	0.845	0.9	0.965
80					1.5		0.21	1.16	1.24	1.33
100					1.5		0.23	1.33	1.415	1.52
125					1.3		0.27	1.565	1.665	1.78
160					1.3		0.31	1.8	1.915	2.05
200		±2×2.5 ±5			1.1		0.36	2.135	2.275	2.44
250					0.90		0.415	2.33	2.485	2.665
315					0.80		0.51	2.945	3.125	3.355
400					0.80		0.57	3.375	3.59	3.85
500					0.80		0.67	4.13	4.39	4.705
630					0.70		0.775	4.975	5.29	5.66
630					0.70	6.0~8.0	0.75	5.05	5.365	5.76
800					0.70		0.875	5.895	6.265	6.715
1000					0.70		0.02	6.885	7.315	7.885
1250					0.70		1.205	8.19	8.72	9.335
1600					0.70		1.415	9.945	10.555	11.32
2000					0.60		1.76	12.24	13.005	14.005
2500					0.60		2.08	14.535	15.445	16.605

DRY-TYPE TRANSFORMER

1250	35~38.5	±2×2.5 ±5	0.4~1.14	Dyn11 Yd11 Yyn0	0.75	6.0~14.0	1.6	10.7	11.4	12.2
1600					0.75		1.9	13.1	13.9	14.9
2000					0.65		2.2	15.4	16.4	17.5
2500					0.65		2.6	18.5	19.6	21.0
3000					0.60		3.2	20.3	21.6	23.1
3150					0.60		3.5	20.7	22.1	23.5
4000					0.60		4.1	24.9	26.5	28.2
4500					0.55		4.4	27.4	29.1	31.1
5000					0.55		4.8	29.6	31.4	33.6
6300					0.55		5.7	34.6	36.7	39.2
8000				Dyn11 Yd11 YNd11	0.45		6.9	41.7	44.3	47.3
10000					0.45		8.2	49.0	52.1	55.7

10kV dry three-phase double-winding non-exciting voltage regulation new energy generation side for photovoltaic, wind power, energy storage transformers

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
500	10~12	±5 ±2×2.5	0.4~1.14	Dyn11 Yyn0	0.80	4.0~10.0	0.67	4.13	4.39	4.705
630					0.70		0.775	4.975	5.29	5.66
800					0.70		0.875	5.895	6.265	6.715
1000					0.70		1.02	6.885	7.315	7.885
1250					0.70		1.205	8.19	8.72	9.335
1600					0.70		1.415	9.945	10.555	11.32
2000					0.60		1.76	12.24	13.005	14.005
2500					0.60		2.08	14.535	15.445	16.605
3150					0.50		2.52	17.95	19.095	20.49

SC(B)H15(17-19) AMORPHOUS ALLOY DRY TYPE TRANSFORMER

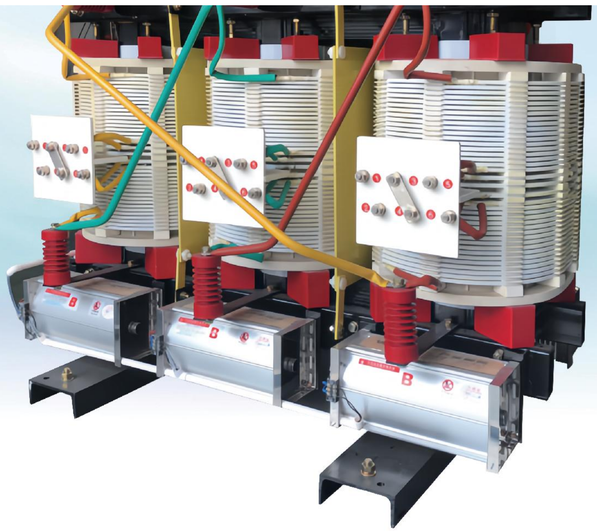


OVERVIEW

Dry-type transformer using an amorphous-alloy core to improve energy efficiency and reduce no-load loss. The design is suitable for indoor distribution projects requiring reliable and clean operation.

- Energy-efficient amorphous-alloy core
- Dry-type insulation system
- Low no-load loss

SG(B)12-18 NON-ENCAPSULATED H-CLASS DRY-TYPE TRANSFORMER

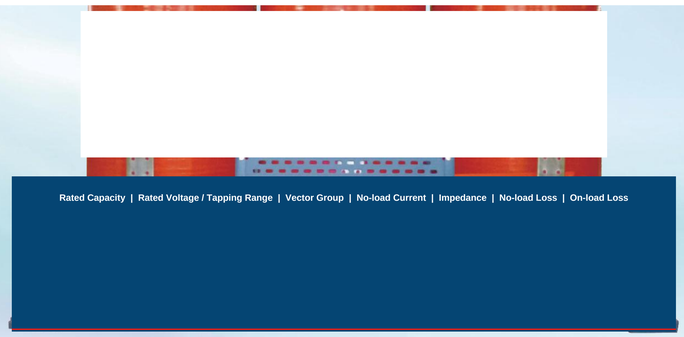


OVERVIEW

Non-encapsulated H-class dry-type transformer for applications requiring high insulation temperature capability, good ventilation and dependable indoor distribution performance.

- H-class insulation system
- Good heat dissipation
- Suitable for demanding indoor distribution projects

CSG MARINE TRANSFORMER



Rated Capacity | Rated Voltage / Tapping Range | Vector Group | No-load Current | Impedance | No-load Loss | On-load Loss

PRODUCT OVERVIEW

环境条件 ENVIRONMENTAL CONDITION

1 船舶远离陆地：

1. The ship is far from land;

OVERVIEW

Marine transformer designed for shipboard and offshore electrical systems, with structure and insulation adapted to vibration, humidity and marine operating conditions.

- Designed for marine electrical systems
- Reliable insulation and mechanical strength
- Compact installation-oriented structure

SCB THREE-DIMENSIONAL CORE TRANSFORMER



PRODUCT OVERVIEW

产品用途 PRODUCT USE

该产品绝缘性能好，机械强度高，耐潮湿，无污染，易安装，基本不需要维护，适用于高层建筑、风力发电、太阳新能源、医院、宾

OVERVIEW

Three-dimensional core dry-type transformer combining a wound-core magnetic circuit with dry-type insulation for low loss, low noise and reliable indoor operation.

- Three-dimensional magnetic core
- Dry-type insulation
- Low-loss, low-noise operation

SGB THREE-DIMENSIONAL CORE TRANSFORMER



OVERVIEW

Three-dimensional wound-core transformer designed for energy-efficient dry-type distribution applications with compact structure and stable thermal performance.

- Energy-efficient wound-core design
- Reliable dry-type structure
- Suitable for industrial and building distribution

04

NEW ENERGY TRANSFORMER



OVERVIEW

Transformer solutions for photovoltaic, wind and energy-storage generation systems. Designed for step-up and distribution duties in renewable-energy plants, industrial sites and distributed-energy projects.

- Applicable to PV, wind and energy-storage systems
- Step-up and distribution configurations available
- Project-specific voltage and capacity options

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
1250	35~38.5	±2×2.5 ±5	0.4~1.14	Dy11 Yd11	0.44	6.0~14.0	0.8	12.5
1600					0.36		0.9	14.9
2000					0.36		1.2	16.5
2500					0.36		1.4	17.6
3000					0.36		1.6	20.3
3150					0.36		1.7	20.7
4000					0.36		2.0	24.6
4500					0.36		2.2	27.1
5000					0.36		2.4	28.2
5500					0.36		2.6	30.3
6300					0.36		2.9	31.5
8000				YNd11	0.28		4.0	34.6
10000					0.28		4.8	40.8
12500					0.24		5.6	50.7

10kV oil-immersed three-phase double-winding non-exciting voltage regulation new energy generation side for photovoltaic, wind power, energy storage transformers

Rated Capacity	Rated Voltage / Tapping Range	Vector Group	No-load Current	Impedance	No-load Loss	On-load Loss
500	10~12	±2×2.5 ±5	0.4~1.14	Dy11 Yd11	0.64	4.0~8.0	0.385	3.9
630					0.48		0.46	4.46
800					0.48		0.56	5.4
1000					0.48		0.665	7.415
1250					0.4		0.78	8.64
1600					0.32		0.94	10.44
2000					0.32		1.085	13.18
2500					0.32		1.28	15.27
3000					0.32		1.547	16.797
3150					0.32		1.606	17.978

PREFABRICATED CABIN SUBSTATION



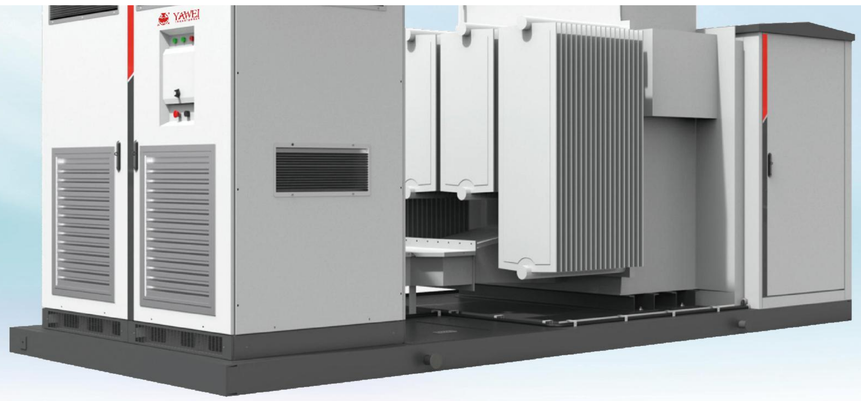
PRODUCT OVERVIEW

OVERVIEW

Prefabricated cabin substation integrating transformer, switchgear, protection and auxiliary systems in a factory-assembled enclosure for rapid project deployment.

- Integrated factory-assembled solution
- Fast site installation
- Suitable for renewable-energy and industrial projects

INTEGRATED INVERTER AND STEP-UP CONVERTER



PRODUCT OVERVIEW

OVERVIEW

Integrated power-conversion and step-up solution combining conversion equipment, transformer and associated switchgear for renewable-energy projects and distributed power systems.

- Integrated conversion and step-up functions
- Compact project-oriented arrangement
- Suitable for renewable-energy systems

05

MINE TRANSFORMER



PRODUCT OVERVIEW

OVERVIEW

Transformer designed for mining and heavy industrial power systems, with structural features intended for demanding loads, harsh service conditions and reliable continuous operation.

- Designed for mining power applications
- Robust mechanical construction
- Reliable operation under demanding loads

MINE TRANSFORMER

315	1.8	4	1.2	2.5
400	1.8		1.35	3.0
500	1.5		1.6	3.5
630	1.5		1.8	4.1
800	1.2		2.1	5.1
1000	1.2	4.5	2.35	6.1
1250	1.0		2.8	7.4
1600	1.0	5	3.45	8.5
2000	0.7		4.05	9.7
2500	0.7	5.5	4.7	10.8
3150	0.7		5.5	12.8
4000	0.7	6	6.3	15
5000	0.6		7.3	17.6
6300	0.6		8.5	20

矿用变压器 Mine transformer

Rated Capacity	No-load Current	Short-circuit Impedance	No-load Loss	On-load Loss
50	2.5	4	0.31	0.55
100	2.5		0.47	0.92
200	2		0.74	1.55
315	1.8		0.99	2.15
400	1.8		1.17	2.6
500	1.5		1.35	3.1
630	1.5		1.62	3.68
800	1.0		1.85	4.5
1000	1.0		2.1	5.4
1250	1.0		2.48	6.5
1600	0.8		3	8
2000	0.6	4.5	3.4	9.5
2500	0.6	5	4.05	10.6
3150	0.6	5.5	4.75	12.5
4000	0.6	6	5.5	14
5000	0.5		6.4	15.8
6300	0.5		7.6	18

BURIED TRANSFORMER



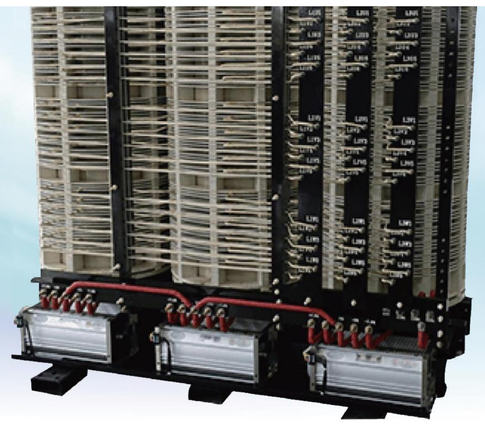
PRODUCT OVERVIEW

OVERVIEW

Buried transformer solution for installations where above-ground space is limited. The design supports compact urban distribution and concealed infrastructure layouts.

- Space-saving buried installation
- Suitable for urban distribution
- Protected enclosed construction

PHASE-SHIFTING RECTIFIER TRANSFORMER



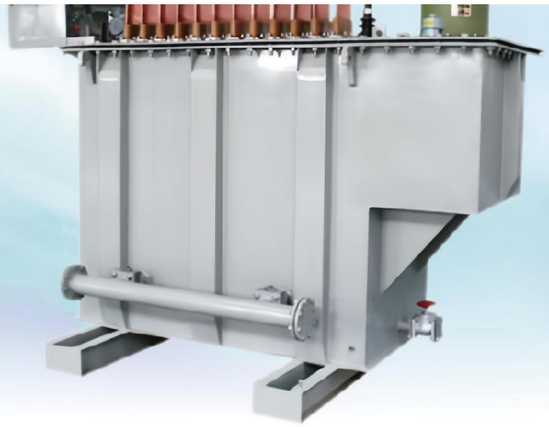
PRODUCT OVERVIEW

OVERVIEW

Phase-shifting rectifier transformer for industrial rectifier systems, providing the voltage transformation and phase relationships required by multi-pulse rectification equipment.

- For industrial rectifier loads
- Phase-shifting winding arrangement
- Project-specific electrical design

ELECTRIC FURNACE TRANSFORMER



PRODUCT OVERVIEW

OVERVIEW

Heavy-duty transformer for electric furnace loads, designed to withstand high current, frequent load variation and demanding industrial operating cycles.

- High-current industrial duty
- Designed for fluctuating furnace loads
- Robust thermal and mechanical performance

GROUNDING TRANSFORMER



Rated Capacity | Primary Voltage | Secondary Voltage | Efficiency / Loss Data

PRODUCT OVERVIEW

OVERVIEW

Grounding transformer used to establish a neutral point and provide controlled grounding for power systems that otherwise do not have a suitable neutral connection.

- Creates system neutral point
- Supports grounding and protection schemes
- Suitable for utility and industrial networks

OSG/SG THREE-PHASE DRY ISOLATION TRANSFORMER



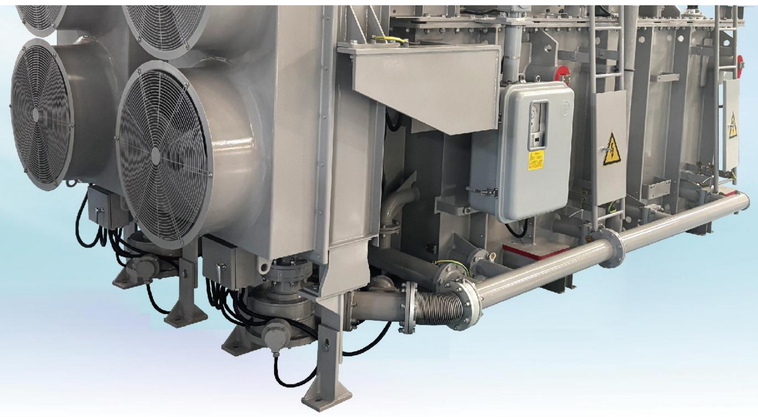
PRODUCT OVERVIEW

OVERVIEW

Three-phase dry isolation transformer providing galvanic isolation between input and output circuits for industrial equipment, control systems and specialized power applications.

- Electrical isolation between circuits
- Dry-type construction
- Suitable for industrial and control power applications

VEHICLE-MOUNTED TRANSFORMER



PRODUCT OVERVIEW

OVERVIEW

Mobile transformer system designed for vehicle-mounted or transportable power applications, supporting temporary supply, emergency service and mobile substations.

- Mobile and transportable configuration
- Suitable for temporary and emergency power
- Project-specific voltage and capacity options

06

THREE-PHASE PAD-MOUNTED TRANSFORMER



OVERVIEW

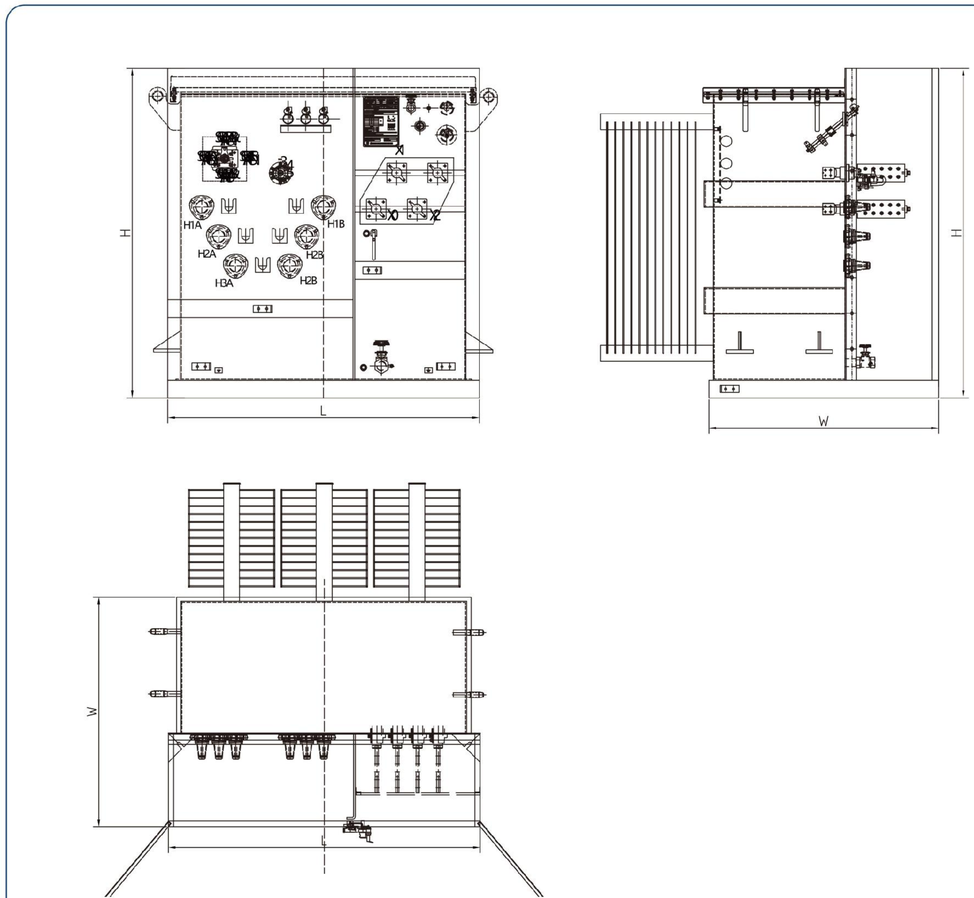
Outdoor pad-mounted distribution transformer with enclosed high- and low-voltage compartments for utility and industrial distribution networks.

- Outdoor enclosed construction
- Pad-mounted installation
- Utility and industrial distribution applications

THREE-PHASE PAD-MOUNTED TRANSFORMER

750	22.86kV 24.94kV 34.5kV or others	600Y V 347V or others	99.40	99.35
1000			99.43	99.38
1500			99.48	99.44
2000			99.51	99.47
2500			99.53	99.49

TECHNICAL DATA OUTLINE INSTALLATION DIMENSIONS



SINGLE-PHASE PAD-MOUNTED TRANSFORMER



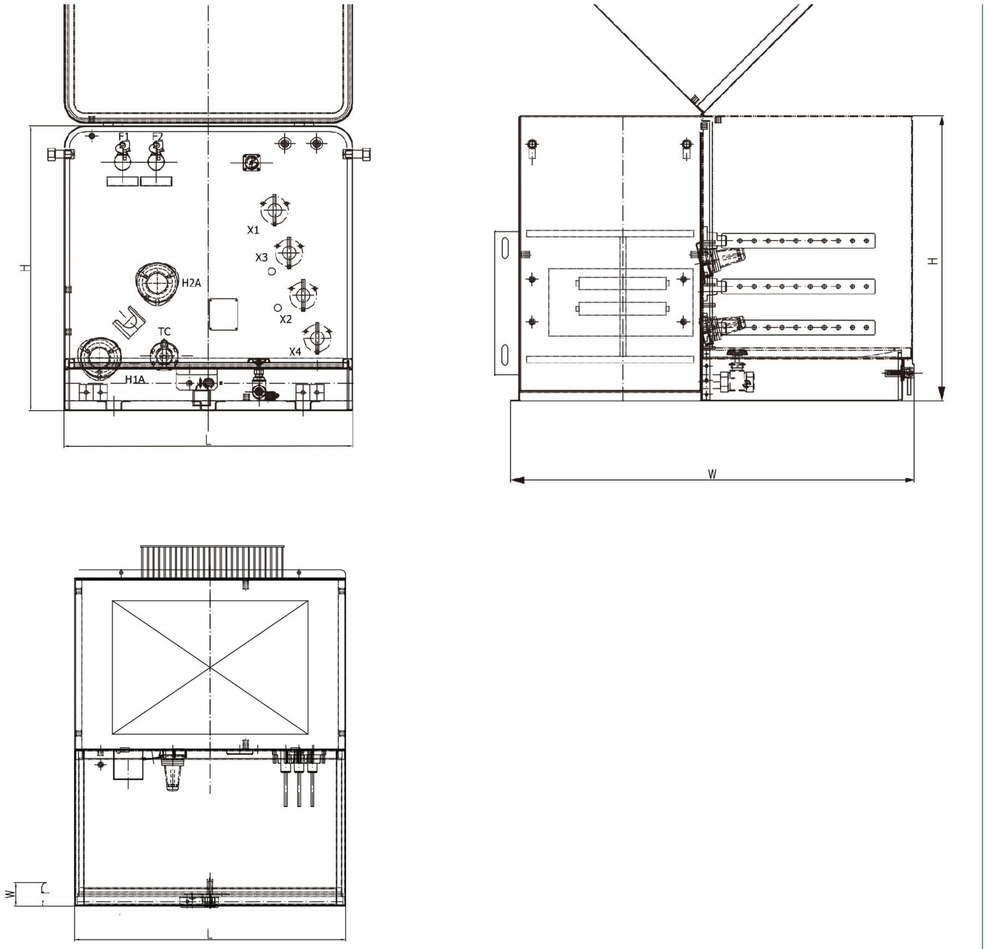
PRODUCT OVERVIEW

OVERVIEW

Compact outdoor single-phase pad-mounted transformer for local distribution networks, residential developments and commercial power supply.

- Compact outdoor enclosure
- Single-phase distribution duty
- Easy site installation and maintenance

SINGLE-PHASE AMERICAN TRANSFORMER



SINGLE-PHASE POLE-MOUNTED TRANSFORMER



OVERVIEW

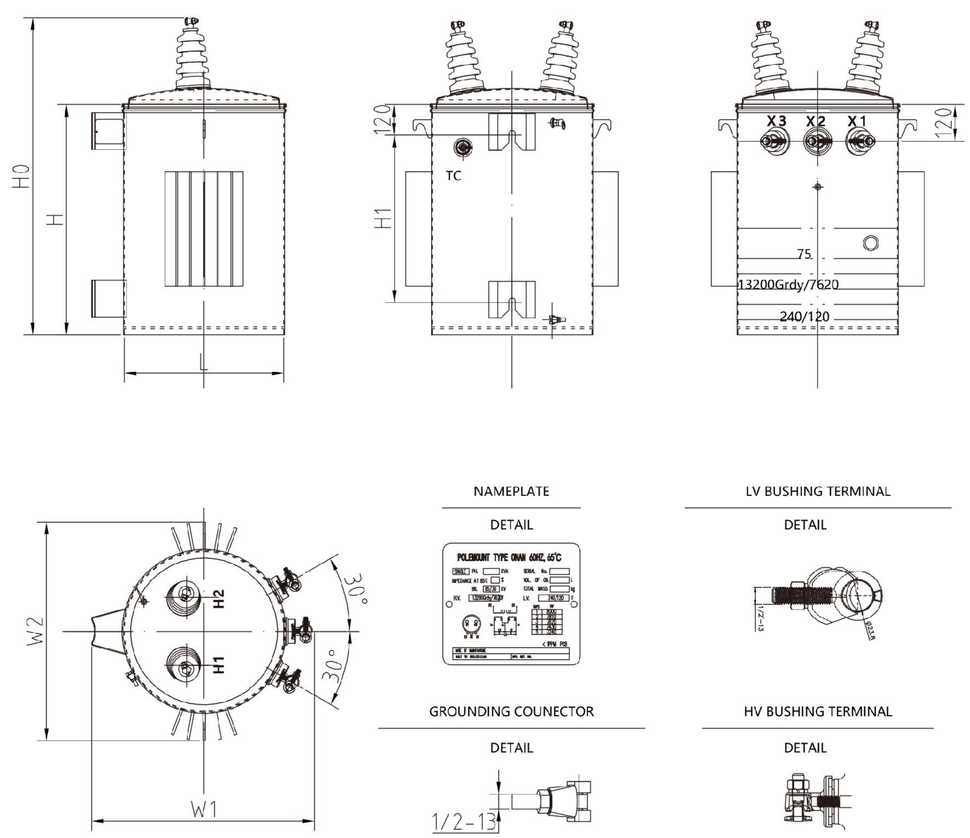
Single-phase pole-mounted distribution transformer for overhead utility networks and local distribution service.

- Designed for overhead distribution
- Compact pole-mounted structure
- Reliable utility service

SINGLE-PHASE POLE-MOUNTED TRANSFORMER

50	12.47kV/7.2kV or others	600V or others	99.11	99.04
75			99.19	99.13
100			99.25	99.19
167			99.33	99.28

TECHNICAL DATA OUTLINE INSTALLATION DIMENSIONS



ORDER SPECIFICATION

Please provide the following information so the transformer can be selected and quoted accurately.

Demand / Project name _____

Country of use _____

Transformer type _____

Phase: Three-phase / Single-phase _____

Frequency: 50 Hz / 60 Hz _____

Rated capacity (kVA / MVA) _____

Installation: Outdoor / Indoor _____

Altitude (m) _____

Rated high voltage _____

Rated low voltage _____

Vector group _____

Impedance (%) _____

Voltage regulation / tapping range _____

Cooling method _____

Enclosure / protection level _____

Accessories and monitoring requirements _____

Special environmental or operating requirements _____

Quantity _____

Required delivery date _____

Other notes _____

AFTER-SALES SERVICE COMMITMENT

Zturnbuilder is committed to dependable product quality and responsive after-sales support.

1. Products are supplied according to confirmed specifications, applicable standards and agreed technical requirements.

2. If a verified quality issue attributable to manufacturing or supply is identified, Zturnbuilder will coordinate a reasonable corrective solution, including technical support, repair or replacement as appropriate.

3. We actively support customers with operation guidance, document coordination, installation communication and technical follow-up.

4. Spare parts and replacement components can be coordinated according to project needs and product configuration.

5. Customer-first service, timely response and practical problem solving are core principles of our support process.

Zturnbuilder
Website: zturnbuilder.com
Email: info@zturnbuilder.com
Service Hotline: 400-600-7040