



Jiangsu Jinying Transformer Co., Ltd.

Product catalogue

Oil-immersed distribution · Compact substations ·
Pad-mounted

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About Jinying

Jiangsu Jinying Transformer Co., Ltd. is a transformer manufacturer based in Xuzhou, an industrial city in Jiangsu Province, China. Founded in 2019, we build oil-immersed and dry-type distribution transformers, power transformers, compact substations and pad-mounted transformers.

Quality management, production and sales are handled within the company. We work to three principles — precision manufacturing, innovation and excellence — and supply transformers and complete power solutions to customers abroad. Our business is focused on export, with markets in Southeast Asia, Africa, Central Asia, South America and Europe.

The works

Own premises in Xuzhou, Jiangsu, in production since 2019. Winding, core building, final assembly and routine testing are carried out in house.

FOUNDED

2019

LOCATION

**East Zone, Xuzhou Industrial Park, Xuzhou,
Jiangsu, China**

PRODUCTS

**Distribution transformers · Power transformers
· Compact substations · Pad-mounted
transformers**



Assembly shop

Oil-immersed units awaiting routine tests, HV and LV bushings fitted.



Pad-mounted finished goods

Single-phase pad-mounted units for 60 Hz markets.



Large-capacity assembly

Power transformer with conservator, core and tank assembly.



Dry-type assembly line

Cast-resin dry-type units with temperature controllers fitted, awaiting routine tests.



Xuzhou plant

Own premises in Xuzhou, Jiangsu, in production since 2019.



Packing area

Tested units packed and awaiting despatch.

IEC 60076

IEEE/ANSI C57

SABS 780

ISO 9001

Oil-Immersed Distribution s11 / s13

30 to 4500 kVA, primary 6 to 33 kV, secondary 380 to 433 V. Wound core, all-copper windings, off-load tap changer $\pm 2 \times 2.5\%$, ONAN, temperature rise 65 K.



Rating	30–4500 kVA
HV	6 / 10 / 11 / 13.2 / 20 / 33 kV
LV	380 / 400 / 415 / 433 V
Vector	Yyn0 / Dyn11 / Yzn11
Standard	IEC 60076

Four numbers are enough to select

Rating, primary voltage, secondary voltage, frequency. Those four fix the ratio, the vector group and the outline. Be explicit about the secondary: 415 V in West Africa, 400 V in Tanzania and South Africa, 20 kV primary in Indonesia. If in doubt, send the destination country and the local distribution voltage.

S11 series — all ratings

One page per rating: no-load loss, load loss, no-load current, impedance voltage, oil weight, total weight and outline dimensions.

6 / 6.3 / 10 / 10.5 / 11 kV

LV 380 · 400 · 415 · 433 V · Vector group Dyn11 / Yyn0 / Yzn11 · Tapping range $\pm 2 \times 2.5 \%$ · Temp. rise 65 K · IEC 60076

Model	Rating	No-load loss	Load loss	No-load current	Impedance %	Oil weight kg	Total weight kg	Dimensions mm L×W×H
S11-30/11	30	100 W	630 / 600 W	2.3 %	4.0	—	—	—
S11-50/11	50	130 W	910 / 870 W	2.0 %	4.0	80	405	800×480×1030
S11-63/11	63	150 W	1,090 / 1,040 W	1.9 %	4.0	—	—	—
S11-80/11	80	180 W	1,310 / 1,250 W	1.9 %	4.0	105	510	840×580×1115
S11-100/11	100	200 W	1,580 / 1,500 W	1.8 %	4.0	120	530	890×645×1145
S11-125/11	125	240 W	1,890 / 1,800 W	1.7 %	4.0	130	670	910×600×1185
S11-160/11	160	280 W	2,310 / 2,200 W	1.6 %	4.0	—	—	—
S11-200/11	200	340 W	2,730 / 2,600 W	1.5 %	4.0	160	890	1000×760×1240
S11-250/11	250	400 W	3,200 / 3,050 W	1.4 %	4.0	175	1,020	1285×730×1290
S11-315/11	315	480 W	3,830 / 3,650 W	1.4 %	4.0	185	1,170	1280×740×1385
S11-400/11	400	570 W	4,520 / 4,300 W	1.3 %	4.0	215	1,410	1310×750×1432
S11-500/11	500	680 W	5,410 / 5,100 W	1.2 %	4.0	260	1,645	1365×765×1510
S11-630/11	630	810 W	6,200 W	1.1 %	4.5	310	2,070	1485×815×1615

Model	Rating	No-load loss	Load loss	No-load current	Impedance %	Oil weight kg	Total weight kg	Dimensions mm L×W×H
S11-800/11	800	980 W	7,500 W	1.0 %	4.5	370	2,445	1640×930×1590
S11-1000/11	1,000	1,150 W	10,300 W	1.0 %	4.5	425	2,800	1860×1120×1630
S11-1250/11	1,250	1,360 W	12,800 W	0.9 %	4.5	480	3,320	1860×1120×1830
S11-1600/11	1,600	1,640 W	14,500 W	0.8 %	4.5	550	4,175	1975×1175×1900
S11-2000/11	2,000	2,520 W	17,820 W	0.6 %	5.0	890	4,600	1970×1200×1950
S11-2500/11	2,500	2,970 W	20,700 W	0.6 %	5.0	1,150	4,950	2100×1250×2000
S11-3150/11	3,150	3,510 W	24,300 W	0.4 %	—	1,400	5,250	2500×1300×2150
S11-4500/11	4,500	4,320 W	28,800 W	0.4 %	—	1,900	—	3000×2000×2300

Load loss: value before the slash for Dyn11 / Yzn11, after it for Yyn0; identical from 630 kVA up.

20 kV

LV 0.4 kV · Vector group Dyn11 · Tapping range $\pm 5\%$ / $\pm 2 \times 2.5\%$

Model	Rating	No-load loss	Load loss	No-load current	Impedance %
S11-30/20	30	90 W	600 W	2.1 %	5.5
S11-50/20	50	130 W	960 W	2.0 %	5.5
S11-63/20	63	150 W	1,145 W	1.9 %	5.5
S11-80/20	80	180 W	1,370 W	1.8 %	5.5
S11-100/20	100	200 W	1,650 W	1.6 %	5.5
S11-125/20	125	240 W	1,980 W	1.5 %	5.5

Model	Rating	No-load loss	Load loss	No-load current	Impedance %
S11-160/20	160	290 W	2,420 W	1.4 %	5.5
S11-200/20	200	330 W	2,860 W	1.3 %	5.5
S11-250/20	250	400 W	3,350 W	1.2 %	5.5
S11-315/20	315	480 W	4,010 W	1.1 %	5.5
S11-400/20	400	570 W	4,730 W	1.0 %	5.5
S11-500/20	500	680 W	5,660 W	1.0 %	5.5
S11-630/20	630	810 W	6,820 W	0.9 %	6.0
S11-800/20	800	980 W	8,250 W	—	6.0
S11-1000/20	1,000	1,150 W	11,330 W	0.7 %	6.0
S11-1250/20	1,250	1,350 W	13,200 W	0.7 %	6.0
S11-1600/20	1,600	1,630 W	15,950 W	0.6 %	6.0

[Jinying Transformer](#) / [Oil-Immersed](#) / **S13**

S13 series — all ratings

One page per rating: no-load loss, load loss, no-load current, impedance voltage, oil weight, total weight and outline dimensions.

6 / 6.3 / 10 kV

LV 0.4 kV · Vector group Dyn11 / Yyn0 · Tapping range $\pm 5\%$ / $\pm 2 \times 2.5\%$

Model	Rating	No-load loss	Load loss	No-load current	Impedance %
S13-30/10	30	80 W	630 / 600 W	2.3 %	4.0
S13-50/10	50	100 W	910 / 870 W	2.0 %	4.0
S13-63/10	63	110 W	1,090 / 1,040 W	1.9 %	4.0
S13-80/10	80	130 W	1,310 / 1,250 W	1.9 %	4.0
S13-100/10	100	150 W	1,580 / 1,500 W	1.8 %	4.0
S13-125/10	125	170 W	1,890 / 1,800 W	1.7 %	4.0
S13-160/10	160	200 W	2,310 / 2,200 W	1.6 %	4.0
S13-200/10	200	240 W	2,730 / 2,600 W	1.5 %	4.0
S13-250/10	250	290 W	3,200 / 3,050 W	1.4 %	4.0
S13-315/10	315	340 W	3,830 / 3,650 W	1.4 %	4.0
S13-400/10	400	410 W	4,520 / 4,300 W	1.3 %	4.0
S13-500/10	500	480 W	5,410 / 5,150 W	1.2 %	4.0
S13-630/10	630	570 W	6,200 W	1.1 %	4.5
S13-800/10	800	700 W	7,500 W	1.0 %	4.5
S13-1000/10	1,000	830 W	10,300 W	1.0 %	4.5
S13-1250/10	1,250	970 W	12,000 W	0.9 %	4.5
S13-1600/10	1,600	1,170 W	14,500 W	0.8 %	4.5
S13-2000/10	2,000	1,550 W	18,300 W	0.8 %	On request

Model	Rating	No-load loss	Load loss	No-load current	Impedance %
S13-2500/10	2,500	1,830 W	21,200 W	0.7 %	On request
S13-3150/10	3,150	2,100 W	24,300 W	0.7 %	On request

Load loss: value before the slash for Dyn11 / Yzn11, after it for Yyn0; identical from 630 kVA up.

Power Transformer s11 / s13

5,000 to 31,500 kVA, HV 33 / 34.5 / 35 / 38.5 kV, LV 6.3 / 6.6 / 11 / 15 kV, two-winding, with conservator, for substations and industrial parks.



Rating	5000–31500 kVA
HV	33 / 34.5 / 35 / 38.5 kV
LV	6.3 / 6.6 / 11 / 15 kV
Use	Substations, industrial parks

What to discuss above 2500 kVA

Impedance voltage, short-circuit withstand, temperature-rise limits and shipping dimensions. Radiators and bushings can be removed and

crated separately when the assembled unit is out of gauge. Send the system short-circuit capacity and a typical load profile; impedance is set by the parallel-operation requirement.

S11

HV 33 / 34.5 / 35 / 38.5 kV · LV 6.3 / 6.6 / 11 / 15 kV · Vector group Yd11 / YNd11 / Dyn11 / YNyn0

Rating kVA	No-load loss kW	Load loss kW	No-load current %	Oil weight kg	Total weight kg	Dimensions mm L×W×H
5,000	4.32	31.38	0.48	2,200	11,000	3050×2500×3050
6,300	5.25	35.06	0.48	2,700	13,000	3100×2760×3100
8,000	7.20	38.48	0.42	3,200	15,700	3350×3050×3250
10,000	8.70	45.32	0.42	3,500	18,000	3450×3300×3350
12,500	10.80	53.87	0.40	3,900	20,800	3600×3500×3400
16,000	12.16	65.84	0.40	4,400	24,500	3800×3600×3650
20,000	14.40	79.52	0.40	4,300	30,000	4000×3850×3850
25,000	17.02	94.05	0.32	6,500	36,300	4200×4000×4000
31,500	20.22	112.86	0.32	8,000	44,000	4350×4150×4200

Cast-Resin Dry Type sc(B)11 / sc(B)13

Cast-resin dry type, 30 to 2500 kVA, HV 6 to 15 kV. No oil, for indoor installation, commercial buildings, data centres and fire-restricted locations.



Rating 30–2500 kVA

HV 6–15 kV

Use Indoor, commercial buildings, data centres

Three figures that decide indoor installation

Fire class, partial discharge level and operating noise. Together with the insulation class these decide whether the unit may sit anywhere other than a dedicated substation room. State if forced-air cooling is required; fans raise the rating.

SC(B)11

HV 6 / 6.3 / 6.6 / 10 / 10.5 / 11 / 13.2 / 13.8 / 15 kV · LV 0.4 kV · Vector group Yyn0 / Dyn11 · Tapping range $\pm 2 \times 2.5 \%$

Model	Rating kVA	No-load loss W	Load loss W	Impedance %	Dimensions mm L×W×H	Weight kg
SC(B)11-30/10	30	171	665	4	680×400×686	300
SC(B)11-50/10	50	243	941	4	690×400×686	360
SC(B)11-80/10	80	324	1,302	4	730×450×796	500
SC(B)11-100/10	100	360	1,492	4	730×500×816	600

Model	Rating kVA	No-load loss W	Load loss W	Impedance %	Dimensions mm L×W×H	Weight kg
SC(B)11-125/10	125	423	1,748	4	780×600×950	700
SC(B)11-160/10	160	486	2,014	4	950×650×1124	850
SC(B)11-200/10	200	558	2,394	4	990×650×1164	950
SC(B)11-250/10	250	648	2,613	4	1020×650×1207	1,100
SC(B)11-315/10	315	792	3,287	4	1050×750×1320	1,250
SC(B)11-400/10	400	873	3,781	4	1100×800×1450	1,550
SC(B)11-500/10	500	1,044	4,636	4	1140×800×1430	1,850
SC(B)11-630/10	630	1,206	5,577	4	1250×800×1500	1,900
SC(B)11-800/10	800	1,368	6,603	6	1330×800×1540	2,200
SC(B)11-1000/10	1,000	1,584	7,714	6	1400×960×1640	2,750
SC(B)11-1250/10	1,250	1,881	9,206	6	1450×960×1690	3,300
SC(B)11-1600/10	1,600	2,205	11,144	6	1560×960×1930	4,000
SC(B)11-2000/10	2,000	2,988	13,728	6	1680×960×1930	4,800
SC(B)11-2500/10	2,500	3,240	16,312	6	1720×1010×1950	5,500

SC(B)13

HV 6 / 6.3 / 10 kV · LV 0.4 kV · Vector group Yyn0 / Dyn11 · Tapping range $\pm 5\%$ / $\pm 2 \times 2.5\%$ / $+3 -1 \times 2.5\%$

Model	Rating kVA	No-load loss W	Load loss W	No-load current %	Impedance %
SC13-30	30	135	640	2.00	4

Model	Rating kVA	No-load loss W	Load loss W	No-load current %	Impedance %
SC13-50	50	195	900	2.00	4
SC13-80	80	265	1,240	1.50	4
SC13-100	100	290	1,410	1.50	4
SC13-125	125	340	1,660	1.30	4
SC(B)13-160	160	385	1,910	1.30	4
SC(B)13-200	200	445	2,270	1.10	4
SC(B)13-250	250	515	2,480	1.10	4
SC(B)13-315	315	635	3,120	1.00	4
SC(B)13-400	400	705	3,590	1.00	4
SC(B)13-500	500	835	4,390	1.00	4
SC(B)13-630	630	965	5,290	0.85	4
SC(B)13-630	630	935	5,360	0.85	6
SC(B)13-800	800	1,090	6,260	0.85	6
SC(B)13-1000	1,000	1,270	7,310	0.85	6
SC(B)13-1250	1,250	1,500	8,720	0.85	6
SC(B)13-1600	1,600	1,760	10,500	0.85	6
SC(B)13-2000	2,000	2,190	13,000	0.70	6
SC(B)13-2500	2,500	2,590	15,400	0.70	6

Compact Substation YBW

HV compartment, transformer compartment and LV compartment in one enclosure, fully assembled and tested at works; on site it is lifted, connected and energised. 50 to 2500 kVA, HV 12 / 24 / 36 / 40.5 kV.



Rating	50–2500 kVA
HV	10 / 11 / 20 / 22 / 33 / 35 kV
Highest voltage Um	12 / 24 / 36 / 40.5 kV
LV	380 / 400 / 415 / 433 V
Protection	IP23 / oil-filled 55 / dry 65
Standard	IEC 60076 / BS 171 / SABS 780

Three things to settle before an outdoor order

Ingress protection (enclosure IP23, oil-filled transformer compartment 55, dry type 65), enclosure material and paint system (state it separately for coastal and high-humidity sites), and cable entry (bottom entry or overhead). SABS 780 and BS 171 differ from IEC on all three, so name the standard you are working to.

Pad-Mounted zGs

Pad-mounted, fully sealed, dead-front operation. 10 to 250 kVA, HV 13.2 / 15 kV, 60 Hz, designed to IEEE/ANSI C57.12.



Rating	10–3000 kVA
HV	2.4–19.92 kV
Frequency	60 Hz
Design	Dead front
Standard	IEEE/ANSI C57.12

60 Hz is not a 50 Hz unit with a new nameplate

Change the frequency and the core flux density, the turns and the temperature rise all have to be recalculated. With your order state frequency, primary voltage, single or three phase, bushing type (elbow or stud) and fusing arrangement.

Three-phase

kVA ratings

30 · 45 · 75 · 112.5 · 150 · 225 · 300 · 500 · 750 ·
1,000 · 1,500 · 2,000 · 2,500 · 3,000 kVA

HV · BIL

2,400 V · BIL 60 kV
4,160 V · BIL 75 kV

LV

240Δ/120 tap
480Y/277

	4,800 V · BIL 95 kV 7,200 V · BIL 95 kV 7,620 V · BIL 95 kV 7,970 V · BIL 95 kV 11,400 V · BIL 125 kV 12,000 V · BIL 125 kV 13,200 V · BIL 125 kV 13,800 V · BIL 125 kV 14,400 V · BIL 125 kV 19,920 V · BIL 150 kV	240Δ 480Δ 600Y/347
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Single-phase · dimensions and weight

Rating kVA	Width mm	Depth mm	Length mm	Weight kg
10.0	900	840	610	335
15.0	900	840	610	347
25.0	900	840	610	358
37.5	900	840	610	369
50.0	900	840	610	423
75.0	900	940	610	488
100.0	900	940	760	554
167.0	970	1,020	760	795
250.0	1,000	1,020	880	985

Certification arranged for the destination country

- IEC 60076
- IEEE/ANSI C57
- SABS 780
- ISO 9001

Destination	HV	LV	Frequency	Conformity scheme
SOUTHEAST ASIA				
Indonesia	20 kV	400 V	50 Hz	SNI
Philippines	13.2 kV	240/480 V	60 Hz	IEEE C57
Vietnam	22 kV	400 V	50 Hz	—
AFRICA				
Nigeria	11 / 33 kV	415 V	50 Hz	SONCAP
Kenya	11 / 33 kV	415 V	50 Hz	PVoC / KEBS
Tanzania	11 / 33 kV	400 V	50 Hz	TBS
South Africa	11 / 22 kV	400 V	50 Hz	SABS 780
Egypt	11 / 22 kV	380 V	50 Hz	—
Ghana	11 / 33 kV	400 V	50 Hz	—
Angola	15 / 30 kV	400 V	50 Hz	—
CENTRAL ASIA				
Kazakhstan	6 / 10 kV	400 V	50 Hz	EAC
Uzbekistan	6 / 10 kV	380 V	50 Hz	—

Destination	HV	LV	Frequency	Conformity scheme
LATIN AMERICA				
Chile	12 / 23 kV	380 V	50 Hz	—
Mexico	13.2 / 23 / 34.5 kV	220Y/127 V	60 Hz	NOM-002-SEDE/ENER
Colombia	13.2 / 34.5 kV	208Y/120 V	60 Hz	RETIE
Peru	10 / 22.9 kV	380/220 V	60 Hz	—

Talk to us directly



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