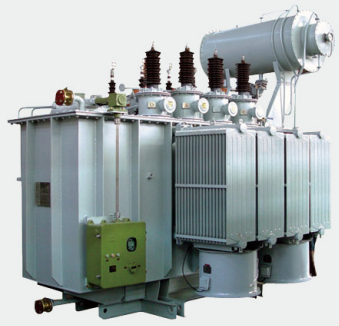

35kV Series Power Transformer

Product Features

1. Product Has High Efficiency, Low Loss, Low Noise Characters;
2. Good Inside Heat Emission, High Anti Short Circuit, Safe And Reliable;
3. Empty, Load Loss Is Low;
4. Reliable, long service life, free maintenance.

Transformer Standards

GB 1094.1-1996	GB 1094.2-1996
GB 1094.3-2003	GB/T 7595-2008
GB/T 6451-2008	JB/T 3837-2010

Transformer Special Service Conditions

1. The height above sea level is above 1000m
2. Ambient temperature :
3. Highest air temperature is above 40℃
4. Lowest air temperature Lower than 45℃ (defines in detail when placing an order)

Transformer Normal Service Conditions

1 The height above the sea level is below 1000m;
2 Ambient temperature:
- Highest air temperature +40℃;
- Highest daily average air temperature+30℃;
- Highest annual average air temperature +20℃ ;
- Lowest outdoor air temperature -25℃ ;

Transformer Model Description

□□□-□□-□/□□

- Special service environment (WZ-earthquake proof WFZ-anticorruption & earthquake proof GY-plateau
- Voltage class
- Rated capacity(kVA)
- Symbol of special purpose or peculiar structure (R-winding iron core M- omniseal……)
- Functional level code (7 8 9 10 11)
- Product Model (ZS- commutation SZ-on-load regulat- ion K-mineral F- air-cooling D- single phase……)

S11 Series 35kV distributtion transformer

50KVA-1600KVA 3-Phase Duplex Winding Off-load Tap-Changing Distribution Transformer

Rated capacity (kVA)	Voltage Combination and Tap range			Vector Group Symbol	No-load loss (kW)	Load loss (kW)	No-load current %	Short-circuit Impedance Voltage %
	HV (kV)	HVTap Range	LV (kV)					
50	35	± 5	0.4	Dyn11 Yyn0	0.17	1.21/1.15	2.00	6.5
100					0.23	2.01/1.92	1.80	
125					0.27	2.38/2.26	1.70	
160					0.29	2.82/2.69	1.60	
200					0.34	3.33/3.16	1.50	
250					0.41	3.95/3.76	1.40	
315					0.49	4.76/4.53	1.40	
400					0.58	5.75/5.47	1.30	
500					0.69	6.92/6.58	1.20	
630					0.83	7.87	1.10	
800					0.98	9.41	1.00	
1000					1.15	11.54	1.00	
1250					1.41	13.94	0.90	
1600					1.70	16.67	0.80	

Note

1. Rated capacity 500KVA and below transformer, the load loss above the oblique line in the table applies to Dyn11 or Yzn11; the load loss below the oblique line applies to Yyn0.
2. According to requirements, the transformer can supply HV tap change ± 2x 2.5%.

630KVA-31500KVA Triple Phase Duplex Winding Non Off-load Regulating Power Transformer

Rated capacity (kVA)	Voltage Combination and Tap Range			Vector group Symbol	No-load loss (kW)	Load loss (kW)	No-load current %	Short-circuit Impedance Voltage %
	HV (kV)	HV Tap Range %	LV (kV)					
630	35	± 5	3.15 6.3 10.5	YNd11	0.83	7.87	1.10	6.5
800					0.98	9.41	1.00	
1000					1.15	11.54	1.00	
1250					1.41	13.94	0.90	
1600					1.70	16.67	0.80	
2000					2.18	18.38	0.70	
2500					2.56	19.67	0.60	
3150	35~38.5	± 5	3.15 6.3 10.5		3.04	23.09	0.56	7.0
4000					3.62	27.36	0.56	
5000					4.32	31.38	0.48	
6300					5.25	35.06	0.48	7.5
8000	35~38.5	± 2X2.5	3.15 3.3 6.3 6.6 10.5 11	YNd11	7.20	38.48	0.42	
10000					8.70	45.32	0.42	
12500					10.08	53.87	0.40	8.0
16000					12.16	65.84	0.40	
20000					14.40	79.52	0.40	
25000					17.02	94.05	0.32	
31500					20.22	112.86	0.32	

SZ11 Series 35kV power transformer

2000KVA-20000KVA 3-Phase Duplex Winding Off-load Tap-Changing Power Transformer

Rated capacity (kVA)	Voltage Combination and Tap Range			Vector group Symbol	No-load loss (kW)	Load loss (kW)	No-load current %	Short-circuit Impedance Voltage %
	HV (kV)	HV Tap Range %	LV (kV)					
2000	35	± 3X2.5	6.3 10.5	Yd11	2.30	19.24	0.80	6.5
2500					2.72	20.64	0.80	
3150	35~38.5	± 3X2.5	6.3 10.5		3.23	24.71	0.72	7.0
4000					3.87	29.16	0.72	
5000					4.64	34.20	0.68	
6300					5.63	36.77	0.68	7.5
8000	35~38.5	± 3X2.5	6.3 6.6 10.5 11	YNd11	7.87	40.61	0.60	
10000					9.28	48.05	0.60	
12500					10.94	56.86	0.56	8.0
16000					13.17	70.32	0.54	
20000					15.57	82.78	0.54	