

Parameters Table

30-2500KVA 6-11KV Oil-Immersed Transformer								
Rated Capacity (KVA)	Voltage Combination			Vector Group	No-Load Loss(w)	Load Loss	No-Load Current (%)	Short Circuit Impedance (%)
	High Voltage (kV)	Tapping Range	Low Voltage (kV)					
30	11 10.5 10 6.3 6	± 5% ± 2×2.5%	0.4	Dyn 11 Yzn11 Yyn0	100	630	2.0	4
50					130	910	2.0	
63					150	1090	1.9	
80					180	1310	1.5	
100					200	1580	1.5	
125					240	1890	1.3	
160					280	2310	1.3	
200					340	2730	1.1	
250					400	3200	1.1	
315					480	3830	1.0	
400					570	4520	1.0	
500					680	5410	1.0	4.5
630					810	6200	0.9	
800					980	7500	0.85	
1000					1150	10300	0.85	
1250					1360	12000	0.85	
1600					1640	14500	0.85	
2000					1940	19500	0.7	
2500					2290	21200	0.7	

30-2500KVA 20KV Oil-immersed transformer								
Rated Capacity (kVA)	Voltage Combination			Vector Group	No-Load Loss(w)	Load Loss	No-Load Current (%)	Short Circuit Impedance (%)
	High Voltage (kV)	Tapping Range	Low Voltage (kV)					
30	20	± 5% ± 2×2.5%	0.4	Dyn 11 or Yyn0	90	690	2.1	5.5
50					130	1010	2	
63					150	1200	1.9	
80					180	1440	1.8	
100					200	1730	1.6	
125					240	2080	1.5	
160					290	2540	1.4	
200					340	3000	1.3	
250					400	3520	1.2	
315					480	4210	1.1	
400					570	4970	1	
500					680	5940	1	
630					810	6820	0.9	6
800					980	8250	0.8	
1000					1150	11330	0.7	
1250					1380	13200	0.7	
1600					1660	15950	0.6	
2000					1950	19140	0.6	
2500					2340	22200	0.5	

50-2500KVA 33-38.5KV Oil-Immersed Transformer								
Rated Capacity (kVA)	Voltage Combination			Vector Group	No-Load Loss(w)	Load Loss	No-Load Current (%)	Short Circuit Impedance (%)
	High Voltage (kV)	Tapping Range	Low Voltage (kV)					
50	33 35 38.5	± 5% ± 2×2.5%	0.4	Dyn 11 or Yyn0	170	1200	2.1	6.5
100					230	2010	2.0	
125					270	2370	1.5	
160					290	2820	1.4	
200					340	3320	1.3	
250					400	3950	1.2	
315					480	4750	1.1	
400					580	5740	1.0	
500					680	6910	1.0	
630					830	7860	0.9	
800					980	9400	0.8	
1000					1150	11500	0.7	
1250					1400	13900	0.6	
1600					1690	16600	0.6	
2000					1990	19700	0.6	
2500					2360	23200	0.6	

Recommended capacity

Application scenarios	Typical capacity range	Selection Recommendations
Small businesses, restaurants, convenience stores	50kVA–160kVA	Single unit configuration, with 20% expansion capacity reserved.
Medium-sized office buildings, supermarkets, and small factories	200kVA–500kVA	It is recommended to use one or two units operating in parallel.
Large commercial complexes, hospitals, data centers	630kVA–1250kVA	Two units should be prioritized to meet the reliability requirements of Level 1 and Level 2 loads.
Residential community (300-500 households)	800kVA–1250kVA	Two 630kVA or 800kVA units connected in parallel
Residential community (800-1000 households)	1600kVA–2500kVA	Two 800-1250kVA units in parallel or one unit
Industrial parks, large factories	1250kVA–2500kVA	Select based on a power load factor of 1.2.

Please leave us a message telling us about your project details and required capacity and voltage, and we will provide you with a quote as soon as possible.

Parameters comply with IEC 60076 and GB/T 6451 standards. Custom specifications available on request.