

S22 Series Grade 1 Energy Efficiency Oil-Immersed Transformer

Eco-friendly and Energy-saving
Optimal Choice for Grid Upgrades



Nomenclature

S — **M** — / — **NX1**
 Three-phase Fully sealed Rated Capacity (kVA) Voltage Class (kV) Energy Efficiency Grade

Product Overview

The S22 series Grade 1 energy efficiency oil-immersed transformer is a high-efficiency product compliant with the GB 20052-2020 standard. Developed through the application of new materials and advanced manufacturing processes—integrating independent innovation with technical imports—this series features optimized core and coil structures to reduce both no-load loss and noise.

The noise level is reduced by an average of 20% compared to the current national standard JB/T 10088-2016, reaching advanced domestic performance levels. Compared to Grade 2 energy efficiency products, the Grade 1 series offers significantly lower losses and superior energy-saving performance.

S22 Series 10kV Dual-Winding Transformer - Main Performance Parameters

Model	Rated Capacity (kVA)	Vector Group	Voltage Combination (kV):			No-load Loss (W)	Load Loss - Delta connection (W)	Load Loss - Star/Wye connection (W)	Short-circuit Impedance (%)
			High Voltage	Tapping Range	Low Voltage				
S22-M-30	30	Yyn0 Dyn11	10 6.3 6	±5% ±2×2.5%	0.4	65	455	430	4
S22-M-50	50					80	655	625	
S22-M-63	63					90	785	745	
S22-M-80	80					105	945	900	
S22-M-100	100					120	1140	1080	
S22-M-125	125					135	1360	1295	
S22-M-160	160					160	1665	1585	
S22-M-200	200					190	1970	1870	
S22-M-250	250					230	2300	2195	
S22-M-315	315					270	2760	2630	
S22-M-400	400					330	3250	3095	
S22-M-500	500					385	3900	3710	
S22-M-630	630					460	4460		
S22-M-800	800					560	5400		
S22-M-1000	1000					665	7415		
S22-M-1250	1250					780	8640		
S22-M-1600	1600					940	10440		
S22-M-2000	2000					1085	13180		
S22-M-2500	2500					1280	13360		