



11KV / 22KV POWER TRANSFORMERS



11kV Oil-Immersed Transformer



22kV Oil-Immersed Transformer

Applications:

GRID offers custom-built 11kV and 22kV power transformers that are widely used in utility distribution networks, industrial plants, commercial buildings, and renewable energy systems to step up or step down voltage for efficient power transmission. These transformers may also be used to distribute electricity for applications like mining, railways, and irrigation systems.

Features:

- **Premium Durability:** Superior insulation and mechanical resilience allow for extended system life and overall system reliability – reducing the frequency of outages.
- **Certified Quality:** Oil-immersed power transformers are manufactured, tested and delivered in accordance with all applicable standards (ANSI, IEEE) maintaining US compliance which simplifies service and retrofitting.
- **Energy Efficient:** Designed to accommodate heavier base loading for extended periods of time with low energy loss and minimal partial discharge for optimized energy savings.

Lead Time:

Approximately **8 weeks** after drawings approved.

**Photos shown for visual reference only—actual product specifications may vary based on manufacturing and order requirements.*

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Voltage Combination			Connection Symbol	Short Circuit Impedance (UK%)	Rated Capacity (kVA)	No-load Loss P ₀ (W) at 400V	Load Loss P _k (W) at 95°C
HV (kV)	HV Tap Range	LV (kV)					
11	+2x2.5, -4x2.5%	0.4	Dyn11	4%	50	168	875
					60	224	1260
					100	272	1505
					160	384	2170
					200	456	2520
					300	576	3815
					400	638	4638
					500	700	5460
					630	825	6430
					800	1015	7700
				5%	1000	1222	9450
					1250	1500	11700
					1500	1785	13860
				6%	1600	1950	14900
					2000	2736	15750
					2500	3400	17750
				7%	3000	3950	19750
					3500	4075	22850
					4000	4200	25950
					5000	5000	31500

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HV (kV)	HV Tap Range	LV (kV)					
22	+2x2.5, -4x2.5%	0.4	Dyn11	4%	50	168	875
					60	224	1260
					100	272	1505
					160	384	2170
					200	456	2520
					300	576	3815
					400	638	4638
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Working Conditions:

- Max. ambient temperature: +40°C
- Max daily average ambient temperature: +30°C
- Max annual average ambient temperature: +20°C
- Min. temperature: -5°C (indoor installation)
- Altitude: ≤1000m
- Relative humidity: ≤90% (25°C) (without condensation)
- Customized engineering available on request
- Min. temperature: -30°C (outdoor installation)



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