



66kV ~ 220kV VOLTAGE TRANSFORMERS



Applications:

GRID offers a versatile range of oil-immersed voltage transformers rated up to 330kV. Available in bushing-type, head-type, and tank-type configurations, each design can be tailored to meet specific project requirements. All units are manufactured to comply with applicable domestic and international standards, ensuring seamless integration into any high-voltage power system.

Features:

- **Reliable Performance:** Engineered for high measurement accuracy and long-term stability, these transformers ensure dependable performance in metering and protection applications.
- **Easy Integration:** Available with Multiple design options allow for seamless integration across a broad range of system configurations, making them suitable for a wide range of transmission and substation applications.
- **Certified Quality:** Disconnects are designed, manufactured, tested and delivered our in accordance with all applicable local and global standards (ANSI, IEEE) maintaining quality assurance.

Lead Time:

Approximately **3-12 months** after drawings approved.

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

66kV ~ 220kV VOLTAGE TRANSFORMERS

Specification	Unit	Technical Parameters				
Rated Frequency	Hz	60				
Rated Voltage	kV	66	110	132	150	220
Max Voltage	kV	72.5	126	145	170	252
Rated Power Frequency Withstand Voltage	kV	160	230	275	325	460
Rated Lightening Impulse Withstand Voltage	kV	350	550	650	750	1050
Arcing Distance	mm	700	1000	1320	1450	2250
Creepage Distance	mm	1820	3150	3630	4250	6300
		2250	3910	4500	5270	7820
Mechanical Load	N	1250	1250	1250	1250	2500
Rated Primary Voltage	kV	$66/\sqrt{3}$	$110/\sqrt{3}$	$132/\sqrt{3}$	$150/\sqrt{3}$	$220/\sqrt{3}$
Secondary Terminal Sign		1a-1n		2a-2n		da-dn
Rated Secondary Voltage	kV	$0.1/\sqrt{3}$	$0.1/\sqrt{3}$	$0.1/3(66kV)$		
				$0.1(110\sim 220kV)$		
Accuracy Class		0.2		0.5	3P	
Rated Output	VA	100		250	300	
		150		150	300	
		150		-	300	
Thermal Limiting Output		2000				
Rated Voltage Factor		$1.2/\text{Continuous}; 1.9/8h(66kV)$				
		$1.2/\text{Continuous}; 1.5/30s(110\sim 220kV)$				
Dielectric Dissipation Factor tg δ, Under the 10kV			Whole tg δ ≤ 0.02; Holder tg δ ≤ 0.05			

Working Conditions:

- Max. ambient temperature: +40°C
- Min. ambient temperature: -40°C
- No corrosive gas, no obvious dirt, etc.
- Altitude: $\leq 2500\text{m}$
- Pollution Level: II, III, IV
- Customized engineering available on request



GRID INFRASTRUCTURE SOLUTIONS

5 Park Plaza, Suite 640
Irvine, CA 92614

Email:
Phone:
Website:

sales@grid-infrastructure.com
+1 (949) 570-8998
grid-infrastructure.com