

GFJDZW-33KV

25KV 27KV 33KV 34.5KV 35KV 36KV DOUBLE POLE SINGLE PHASE VOLTAGE TRANSFORMER OUTDOOR

GFJDZW-33KV 33KV High Accuracy Outdoor Voltage transformers are designed for outdoor metering and relaying applications. This product has the characteristics of high precision and large capacity, and can be customized according to customer requirements.

The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double-loop cores are assembled to a support frame.

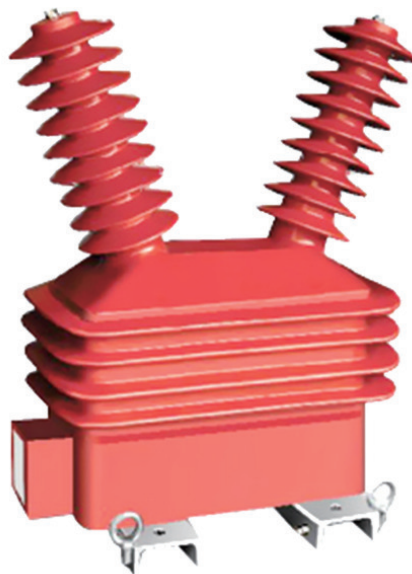
For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic vacuum pressure. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

It can be used for medium voltage AIS, or can be used for medium voltage switchgears. They can operate in all kinds of environments (such as wide range temperature (-50~70 °C), high altitude, high humidity, high pollution or salt). This model GFJDZW-33KV outdoor voltage transformer is also as voltage source to supply 220V voltage.

All of our indoor voltage transformers are strictly comply IEC60044-2, IEC 61869-1,3, IEC 60186, ANSI/IEEE C57.13, BS 7729, GB1207-2006, GB/T 20840.3-2013, GB/T 22071.2-2017, GB/T 20840.102-2020.

Applications

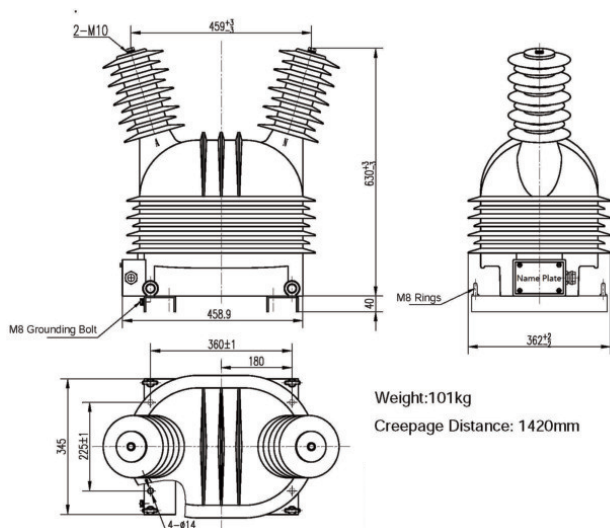
1. Rail way;
2. Coal Mine;
3. Power plant;
4. Power Meter;
5. Power station;
6. Energy meter;
7. Oil, gas company;
8. Distribution system;
9. Electric Power Bureau;
10. Measuring instrument;
11. MV Power Quality Analyzer;
12. Industrial and mining enterprises;



Features

1. 25KV 27KV 30KV 33KV 34.5KV 35KV 36KV Outdoor using;
2. IEC60044-2, IEC 61869-1,3 & ANSI/IEEE C57.13 Standards;
3. Rated voltages up to 36 kV;
4. Reasonable structure and robust construction;
5. Measurement or Protection voltage transformer;
6. Rated basic insulation levels (BIL) up to 250 kV;
7. High quality silicon steel;
8. Convenient installation, suitable for installation in any location;
9. Excellent short circuit and thermal withstand capabilities;
10. Hydrophobic Cycloaliphatic Epoxy Resin (HCEP);
11. Weight:90KG;
12. Material: Epoxy Resin & silicon rubber;
13. Accuracy class: 0.2 0.5 1 3 3P 6P;
14. Surface creepage distance:1300mm;
15. Primary with fuse protection;
16. Partial Discharge measurements exceed the IEEE/IEC and CAN/CSA requirements;
17. Convenient installation, suitable for installation in any location;
18. Excellent short circuit and thermal withstand capabilities;
19. Limiting Thermal Output 3000(VA);
20. Rated voltage primary (KV): $25/\sqrt{3}$, 25, $27/\sqrt{3}$, 27, $30/\sqrt{3}$, 30, $33/\sqrt{3}$, 33, $34.5/\sqrt{3}$, 34.5, $35/\sqrt{3}$, 35, $36/\sqrt{3}$, 36;
21. Secondary voltage (KV): 0.1, 0.12, 0.22, 0.24, or with $\sqrt{3}$;

Outline Drawing



Parameters

Technical parameters	
Standards	IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13; GB1207-2006; GB/T 20840.1-2010, GB/T 20840.3-2013, GB/T 22071.2-2017, GB/T 20840.102-2020 , BS 7729 , IEC 60186
Accuracy Class	0.2, 0.5, 1, 3, 3P, 6P
Rated Voltage	36KV, 35KV, 34.5KV, 33KV, 30KV, 27KV, 25KV
Highest system voltage	36KV
Rated load	≤50VA or 80VA or 200VA
Thermal rating burden	3000VA
Secondary voltage output	100V, 110V, 115V, 120V, 220V, 240V , 380V
Rated frequency	50/60Hz
Cosφ	0.8 (lag)
Phase number	Single phase
Core	1, 2, 3
Connection method	Delta, Star
With fuse	Yes, 0.2A
Using type	Outdoor
Application	Measurement and Protection
Rated insulation level	42/90/250KV
Insulation class	E or B
Class of pollution	IV
Mechanical parameters	
Material	Epoxy resin + silicone sleeve
Dimensions (W×D×H) (mm)	459×362×630
Weight (kg)	101
Color	Red or Grey, customized
Working conditions	
Operating temperature	-40°C to +70°C
Storage temperature	-40°C to +70°C
Daily average temp	<+40°C
Relative Air Humidity	15%-85%
Environment	outdoors
Altitude	<3000 meters
Conditions	No existence of severely begrimed, erosive and radioactive gas in the air. Continuous working under the rated voltage is allowed.

Selection Guide

Model	Rated voltage ratio(V)	Accuracy class and Rated secondary output (VA)	Limited output (VA)	Rated insulation level (KV)	Surface creepage distance (mm)	Primary fuse (A)	Weight (KG)
GFJDZW-35KV	35000/100	0.2---40 0.5---100	800	24/65/125	1420	0.2	101
	35000/220	1---250 3---500					
	35000/100/100	0.2/0.2---20/20 0.2/0.5---20/30	400/400				
	35000/220/220	0.5/0.5---50/50	500/800				
GFJDZXW-35KV	35000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/6P(3P)---30/100 0.5/6P(3P)---60/100 1/6P(3P)---150/100 3/6P(3P)---250/100	600				
	35000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/15/100 0.5/0.5/6P(3P)---40/40/100	300/300				
GFJDZW-34.5KV	34500/100	0.2---40 0.5---100	800	24/65/125	1420	0.2	101
	34500/220	1---250 3---500					
	34500/100/100	0.2/0.2---20/20 0.2/0.5---20/30	400/400				
	34500/220/220	0.5/0.5---50/50	500/800				
GFJDZXW-34.5KV	34500/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/6P(3P)---30/100 0.5/6P(3P)---60/100 1/6P(3P)---150/100 3/6P(3P)---250/100	600				
	34500/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/15/100 0.5/0.5/6P(3P)---40/40/100	300/300				

Model	Rated voltage ratio(V)	Accuracy class and Rated secondary output (VA)	Limited output (VA)	Rated insulation level (KV)	Surface creepage distance (mm)	Primary fuse (A)	Weight (KG)
GFJDZW-33KV	33000/100	0.2---40 0.5---100 1---250 3---500	800	24/65/125	1420	0.2	101
	33000/220						
	33000/100/100	0.2/0.2---20/20 0.2/0.5---20/30	400/400				
	33000/220/220		500/800				
GFJDZXW-33KV	33000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/6P(3P)---30/100 0.5/6P(3P)---60/100 1/6P(3P)---150/100 3/6P(3P)---250/100	600				
	33000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/15/100 0.5/0.5/6P(3P)---40/40/100	300/300				
GFJDZW-27KV	27000/100	0.2---40 0.5---100 1---250 3---500	800	24/65/125	1420	0.2	101
	27000/220						
	27000/100/100	0.2/0.2---20/20 0.2/0.5---20/30	400/400				
	27000/220/220		500/800				
GFJDZXW-27KV	27000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/6P(3P)---30/100 0.5/6P(3P)---60/100 1/6P(3P)---150/100 3/6P(3P)---250/100	600				
	27000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/15/100 0.5/0.5/6P(3P)---40/40/100	300/300				
GFJDZW-25KV	25000/100	0.2---40 0.5---100 1---250 3---500	800	24/65/125	1420	0.2	101
	25000/220						
	25000/100/100	0.2/0.2---20/20 0.2/0.5---20/30	400/400				
	25000/220/220		500/800				
GFJDZXW-25KV	25000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/6P(3P)---30/100 0.5/6P(3P)---60/100 1/6P(3P)---150/100 3/6P(3P)---250/100	600				
	25000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/15/100 0.5/0.5/6P(3P)---40/40/100	300/300				