

GFJDZW-20 GFJDZXW-20G

20KV DOUBLE & SINGLE POLE OUTDOOR SINGLE PHASE VOLTAGE TRANSFORMER

JDZW-20 and JDZXW-20G 20KV 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.

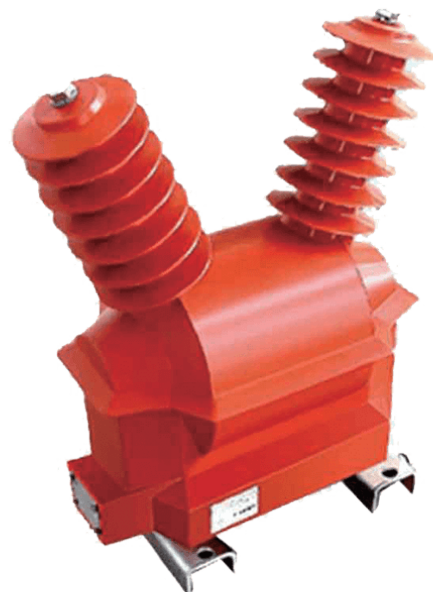
The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double-loop cores are assembled to 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 JDZW-20 JDZXW-20G outdoor voltage transformer is also as voltage source to supply 220V voltage. Strictly Comply IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13.

Features

1. Weight: 56KG;
2. Material: Epoxy (HCEP);
3. 15KV 17KV 20KV Outdoor;
4. Rated voltages up to 24 kV;
5. Accuracy class: 0.2 0.5 1 3 3P 6P;
6. Rated voltage primary (KV): $20/\sqrt{3}$, 20 ;
7. Good surface creepage distance: 860mm;
8. Secondary voltage: (KV) $0.1\sqrt{3}$, 0.12, 0.22;
9. Reasonable structure and robust construction;
10. Rated basic insulation levels (BIL) up to 125 kV;
11. Excellent short circuit and thermal withstand capabilities;
12. IEC60044-2, IEC 61869-1,3 & ANSI/IEEE C57.13 Standards;
13. Convenient installation, suitable for installation in any location;



Applications

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

Parameters

Technical parameters	
Standards	IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13; GB20840-1,3
Rated Voltage	24KV, 20KV, 17KV, 15KV
Rated load	≤3000VA
Secondary voltage output	100V, 110V, 120V, 220V, 380V
Rated frequency	50Hz or 60Hz
Cos ϕ	0.8 (lag)
Phase number	single phase
Class	0.2, 0.5, 1, 3, 3P, 6P
Windings	single, double, three windings
Rated insulation level	24/65/125KV
With fuse	Yes, 0.2A
Using type	Outdoor
Surface creepage distance	860mm
Application	Measurement and Protection
Class of pollution	IV
Mechanical parameters	
Material	Epoxy resin + silicone sleeve
Weight (kg)	56
Operating conditions	
Operating temperature	-40°C to +60°C
Daily average temp	<+40°C
Storage temperature	-50°C to +70°C
Operating conditions-continued	
Altitude	<3000 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

Technical Data

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)
JSZW-20	20000/100	0.2---40 0.5---100	800	24/65/125	860	0.2	56
	20000/220	1---250 3---500					
	20000/100/100	0.2/0.2---20/20	400/400				
	20000/220/220	0.2/0.5---20/30 0.5/0.5---50/50	500/800				
JDZXW-20G	20000/ $\sqrt{3}$ /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	24/65/125	860	0.2	56
	20000/ $\sqrt{3}$ /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				