

GFJDZW-35 GFJDZXW-35G

33KV HIGH VOLTAGE OUTDOOR SINGLE PHASE INSTRUMENT VOLTAGE TRANSFORMER

JDZW-35 JDZXW-35G 35KV 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.

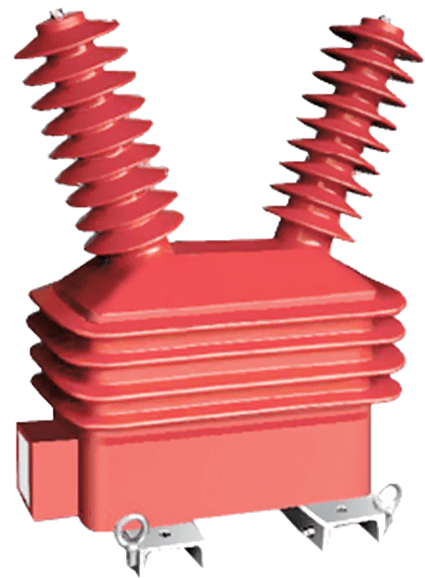
The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double-loop cores are assembled to 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 medial voltage AIS, or can be used for medial 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). Strictly Comply IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13.

Features

1. Weight:120KG;
2. Using Life: 30 years;
3. Material:Epoxy (HCEP);
4. Rated voltages up to 36 kV;
5. Accuracy class :0.2 0.5 1 3 3P 6P;
6. Surface creepage distance:1480mm;
7. 27.5KV 33KV 35KV 36KV Outdoor using;
8. Reasonable structure and robust construction;
9. Rated basic insulation levels (BIL) up to 200 kV;
10. Excellent short circuit and thermal withstand capabilities;
11. IEC60044-2, IEC 61869-1,3 & ANSI/IEEE C57.13 Standards;
12. Rated voltage primary (KV): $35/\sqrt{3}$, 35, $33/\sqrt{3}$, 33, $27/\sqrt{3}$, 27;
13. Secondary voltage: (KV) $0.1\sqrt{3}$, 0.1, $0.11\sqrt{3}$, 0.11, $0.12\sqrt{3}$, 0.12;



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	36KV, 35KV, 34.5KV, 33KV, 27KV
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	40.5/95/200KV
With fuse	Yes, 0.2A
Using type	Outdoor
Surface creepage distance	1450mm
Application	Measurement and Protection
Class of pollution	IV

Mechanical parameters

Material	Epoxy resin + silicone sleeve
Weight (kg)	120

Operating conditions

Operating temperature	-40°C to +60°C
Daily average temp	<+40°C
Storage temperature	-50°C to +70°C
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)
GFJSZW-35	35000/100	0.2/6P(3P)---30/100 0.5/6P(3P)---90/100 1/6P(3P)---180/100 3/6P(3P)---500/100	600	40.5/95/200	1450	0.2	120
	35000/100/100	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/20/100 0.5/0.5/6P(3P)---45/45/100	300/300				
GFJDZXW-35	35000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/6P(3P)---60/150 0.5/6P(3P)---15/150 1/6P(3P)---250/150 3/6P(3P)---600/150	800	40.5/95/200	1450	0.2	120
	35000/ $\sqrt{3}$ /100/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/ $\sqrt{3}$	0.2/0.2/6P(3P)---30/30/150 0.2/0.5/6P(3P)---30/50/150 0.5/0.5/6P(3P)---60/60/150	400/400				
GFJSZW-33	33000/110	0.2/6P(3P)---30/100 0.5/6P(3P)---90/100 1/6P(3P)---180/100 3/6P(3P)---500/100	600	40.5/95/200	1450	0.2	120
	33000/110/120	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/20/100 0.5/0.5/6P(3P)---45/45/100	300/300				
GFJDZXW-33	33000/ $\sqrt{3}$ /110/ $\sqrt{3}$ 110/ $\sqrt{3}$	0.2/6P(3P)---60/150 0.5/6P(3P)---15/150 1/6P(3P)---250/150 3/6P(3P)---600/150	800	40.5/95/200	1450	0.2	120
	33000/ $\sqrt{3}$ /110/ $\sqrt{3}$ 110/ $\sqrt{3}$ 110/ $\sqrt{3}$	0.2/0.2/6P(3P)---30/30/150 0.2/0.5/6P(3P)---30/50/150 0.5/0.5/6P(3P)---60/60/150	400/400				