



## Dry Type Movable Transformer Substation

### Features of Products

The mineral product separates the explode migration transformer substation separates the explode migration transformer substation by the mineral product with the do-like transformer. the high-pressure load switch either the high pressure and the low pressure switch or the low pressure guarantees is composed. Has the leakage. the leakage, the overload, short-circuits, the performance.

KBSGZY series dry type mining explosion isolation movable transformer substation is a kind of movable whole set distribution and transformation device. It is suitable for not only mines filled with firedamp mixed gas, grime and explosive gas, but also the gas and steam environment that can not erode metal and insulation.

### Standard

JB3955-1993; GB1094.1-2-1996; GB12173-2008; GB1094.3-2003; GB1094.5-2008

### Transformer Type Meaning



### Using environment and working condition

- The elevation is less than 1000m, the special environment gives the explanation in addition
- Ambient temperature:  
 Highest temperature +40°C;  
 Lowest temperature -5°C;  
 Maximum daily average temperature +30°C;  
 Maximum annual average temperature +20°C;  
 Lowest outdoor air temperature -5°C;
- The relative humidity is less than 95% (When the air temperature is 25°C);
- In has the methane and the coal dust, also has the explosion hazard in the mine pit;
- Does not have, the vibration as well as with the gradient does not surpass in 15° environment;
- Does not have sufficiently the dipping and the insulation gas and the steam;
- No water drop place;
- Power supply voltage profile is approximate to the sine wave;
- The three-phase supply voltage approximate is symmetrical;(When extracts this condition stipulation, separate consultation)

### KBSGZY series 6kV mining explosion isolation dry type movable transformer substation technical data

Rated capacity (kVA)	HV/LV (kV)	Vector group	Impedance voltage	Loss (kW)		No-load current (%)	(L×W×H) Outline dimension (mm)	Weight (kg)	Gauge (mm)
				No-load	Load				
50	6±5%	Yy0 (d11)	4	350	550	2.5	3290×950×1160	2350	600
100			4	520	920	2.5	3580×950×1430	2600	
200			4	820	1550	2	3710×950×1445	3050	
250			4	950	1800	2	3820×965×1530	3300	
315			4	1100	2150	1.8	3870×975×1540	3500	
400			4	1300	2600	1.8	3890×995×1550	3600	
500			4	1500	3100	1.5	3910×1050×1570	4100	
630			4	1800	3680	1.5	4085×1080×1450	5360	
800			4	2050	4500	1.0	4085×1080×1510	5680	
1000			4	2350	5400	1.0	4100×1130×1540	6500	
1250			4	2750	6500	1.0	4190×1160×1610	6700	
1600			4	3350	8000	0.8	4190×1200×1750	9230	
2000			4.5	3800	9500	0.6	4570×1220×1790	9930	
2500			5	4500	10600	0.6	4580×1230×1850	13830	
3150			5.5	5300	12500	0.6	4820×1260×1890	17250	
4000			6	6100	14000	0.6	4930×1400×1920	19810	

### KBSGZY series 11kV mining explosion isolation dry type movable transformer substation technical data

Rated capacity (kVA)	HV/LV (kV)	Vector group	Impedance voltage	Loss (kW)		No-load current (%)	(L×W×H) Outline dimension (mm)	Weight (kg)	Gauge (mm)
				No-load	Load				
50	10±5%	Yy0 (d11)	4	390	680	2.5	3200×950×1295	2400	600
100			4	560	1050	2.5	3580×950×1430	2600	
200			4	950	1800	2	3990×950×1525	3200	
250			4	1100	2100	2	4020×950×1540	3500	
315			4	1300	2500	1.8	4050×980×1555	3800	
400			4	1500	3000	1.8	4200×1050×1610	4000	
500			4	1750	3500	1.5	4200×1050×1610	4300	
630			4	2000	4100	1.5	4370×1080×1450	5400	
800			4	2300	5100	1.2	4370×1080×1600	5700	
1000			4.5	2600	6100	1.2	4400×1110×1675	6900	
1250			4.5	3100	7400	1.0	4480×1125×1740	7300	
1600			5	3800	8500	1.0	4640×1245×1830	9300	
2000			5	4500	9700	0.7	4665×1250×1900	11900	
2500			5.5	5200	10800	0.7	4870×1390×1900	14930	
3150			5.5	6100	12800	0.7	4880×1390×1900	19350	
4000			6	7000	15000	0.7	5210×1450×1900	21910	