

Composite Insulator



Quality



Credibility

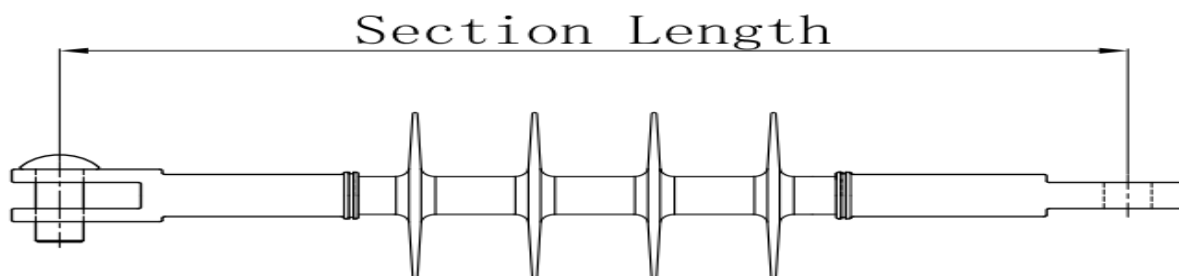


Service

Yangzhou Shuangbao Power Equipment CO., Ltd

Main Products

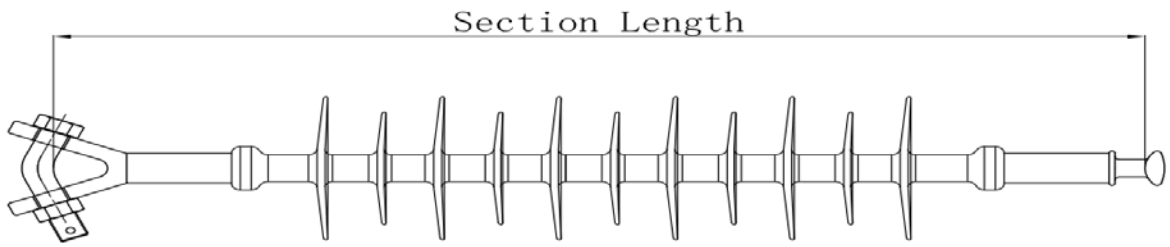
1. Suspension Insulators



Insulator strength level

SML=25kib/120kN RTL=12.5kib/60kN Rod Diameter: 16mm

Line voltage	No.	Structure length	Dry arc	Leakage current	Electrical Flashover Voltage			
					IDF flashover voltage 60Hz	Lightning impulse flashover voltage		Negative polarity
kV	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	
69	S148040VX	1016	759	1801	299	270	519	556
115	S148048VX	1219	963	3086	375	338	648	690
138	S148060VX	1524	1267	3586	490	437	837	886
161	S148068VX	1727	1471	4183	566	500	960	1013
230	S148104VX	2642	2385	6081	909	774	1496	1559
345	S148120VX	3048	2791	9042	1039	893	1729	1795
400	S148154VX	3917	3630	10846	1235	1135	2170	2225



Insulator strength level

SML=30kib/133kN RTL=15kib/66.5kN Rod Diameter: 18mm

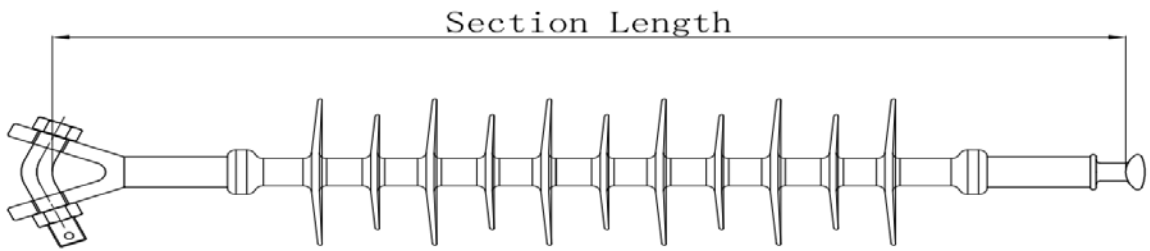
Line voltage	No.	Structure length	Dry arc	Leakage current	Electrical Flashover Voltage			
					IDF flashover voltage 60Hz	Lightning impulse flashover voltage		Negative polarity
kV	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	
69	S248040VX	1016	711	1847	281	253	488	523
115	248048VX	1219	914	3033	357	322	617	658
138	S248060VX	1524	1219	3632	471	421	807	855
161	248068VX	1727	1422	4229	547	485	931	982
230	S248104VX	2642	2337	6027	890	759	1468	1531
345	248120VX	3048	2743	9088	1025	879	1701	1767
400	248154VX	3917	3630	10846	1235	1135	2170	2225

- The dimensions and electrical values shown in the main table are for insulators with y-shaped and ball-end joints.
- For voltages over 400 kV, other partial lengths or combinations of end connections, pls contact.
- Electrical data without pressure equalisation rings. For insulators of 230 kV and higher, we recommends the use of pressure equalisation rings.

Recommendation for the application of pressure equalisation rings

	138kV	161kV	230kV	345kV	400kV
Wire Ends	/	/	8 "	12 "	12 "
Tower Ends	/	/	/	/	8 "

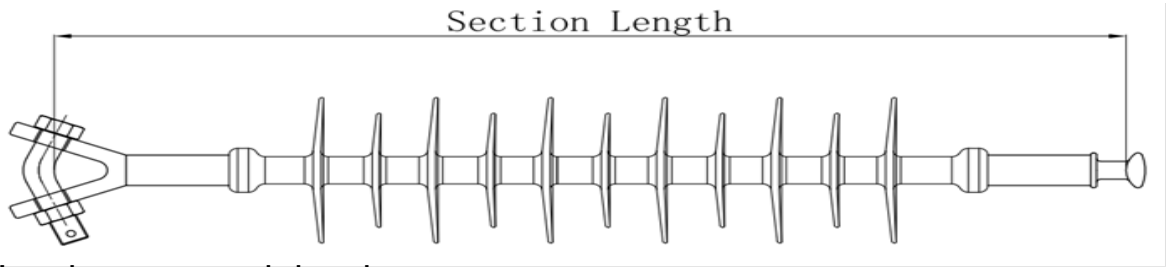
- For other ratings or custom insulator designs, please contact us.



Insulator strength level

SML=36kib/160kN RTL=18kib/80kN Rod Diameter: 22mm

Line voltage	No.	Structure length	Dry arc	Leakage current	Electrical Flashover Voltage			
					IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
69	S348040VX	1016	721	1857	284	257	494	529
115	S348048VX	1219	925	3043	360	325	623	665
138	S348060VX	1524	1229	3642	475	424	813	861
161	S348068VX	1727	1433	4239	551	488	936	988
230	S348104VX	2642	2347	6038	894	762	1474	1536
345	S348120VX	3048	2753	9098	1028	881	1707	1772
400	S348156VX	3980	3622	12500	1230	1130	2170	2220



Insulator strength level

SML=50kib/210kN RTL=25kib/105kN Rod Diameter: 24mm

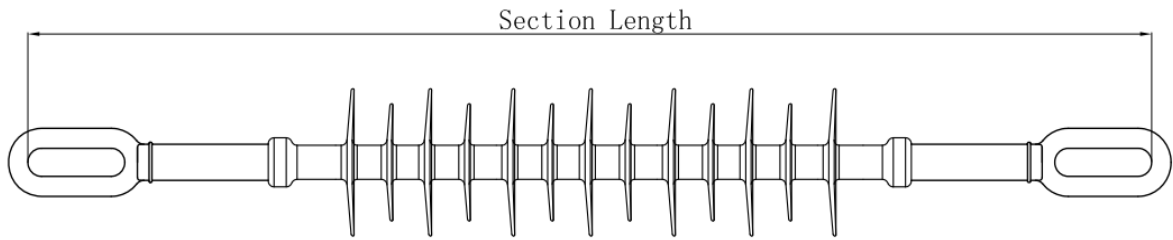
Line voltage	No.	Structure length	Dry arc	Leakage current	Electrical Flashover Voltage			
					IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
115	S448056VX	1422	1087	2997	422	379	726	771
138	448062vx	1575	1240	3637	479	428	820	869
161	S448068VX	1727	1392	4275	479	428	820	869
230	S448106VX	2692	2357	6020	898	766	1481	1544
345	S448124VX	3150	2814	9009	1046	899	1742	1808
400	S448154VX	3917	3630	10846	1235	1135	2170	2225

- The dimensions and electrical values shown in the main table are for insulators with y-shaped and ball-end joints.
- For voltages over 400 kV, other partial lengths or combinations of end connections, pls contact.
- Electrical data without pressure equalisation rings. For insulators of 230 kV and higher, we recommends the use of pressure equalisation rings.

Recommendation for the application of pressure equalisation rings

	138kV	161kV	230kV	345kV	400kV
Wire Ends	/	/	8 "	12 "	12 "
Tower Ends	/	/	/	/	8 "

- For other ratings or custom insulator designs, please contact us.



Insulator strength level

SML=80kib/300kN RTL=40kib/150kN Rod Diameter: 32mm

Line voltage	No.	Structure length	Dry arc	Leakage current	Electrical Flashover Voltage			
					IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
230	S599106VX	2692	2228	6025	849	719	1405	1467
345	S599124VX	3150	2685	9014	1008	862	1668	1733
345	S599130VX	3302	2837	9035	1052	906	1755	1821
400	S599142VX	3607	3142	10538	1140	989	1927	1995
400	S599152VX	3861	3396	10538	1213	1042	2071	2140

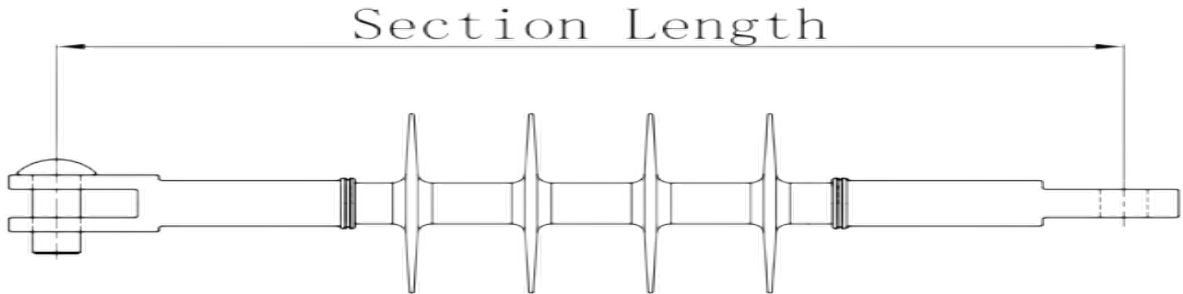
- The dimensions and electrical values shown in the main table are for insulators with y-shaped and ball-end joints.
- For voltages over 400 kV, other partial lengths or combinations of end connections, pls contact.
- Electrical data without pressure equalisation rings. For insulators of 230 kV and higher, we recommends the use of pressure equalisation rings.

Recommendation for the application of pressure equalisation rings

	138kV	161kV	230kV	345kV	400kV
Wire Ends	/	/	8 "	12 "	12 "
Tower Ends	/	/	/	/	8 "

- For other ratings or custom insulator designs, please contact us.

2. Distribution Terminal Insulators DS Series 15kV-28kV

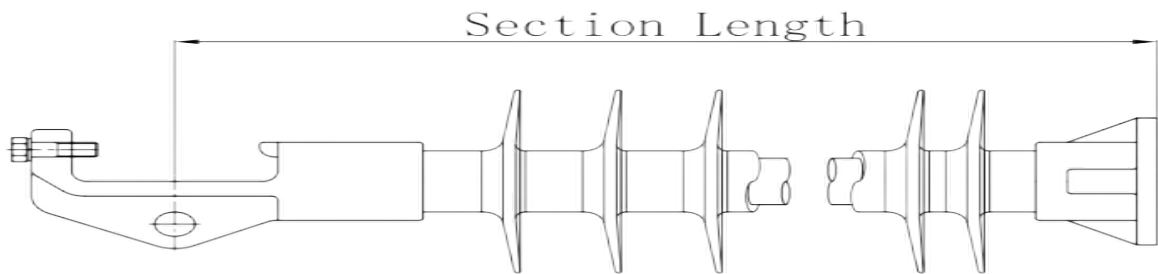


Line voltage	No.	Structure length	Dry arc	Leakage current	Electric Flash			
					IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV		mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
15	DS-15	330	192	401	90	65	140	145
28	DS-28	430	294	628	130	100	190	220

● SML=66.7kN

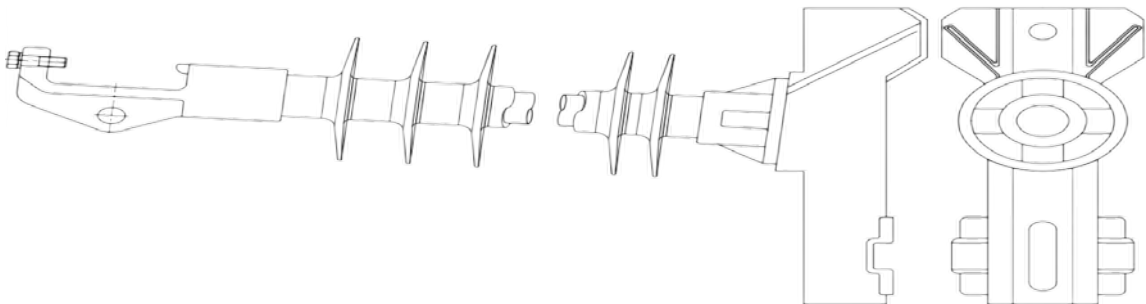
● RTL=33.4kN

3.Post insulators for distribution lines LPC Series Horizontal Trunnion Insulators 1.5" [38mm] dia.



LPC insulators - stud mounting type

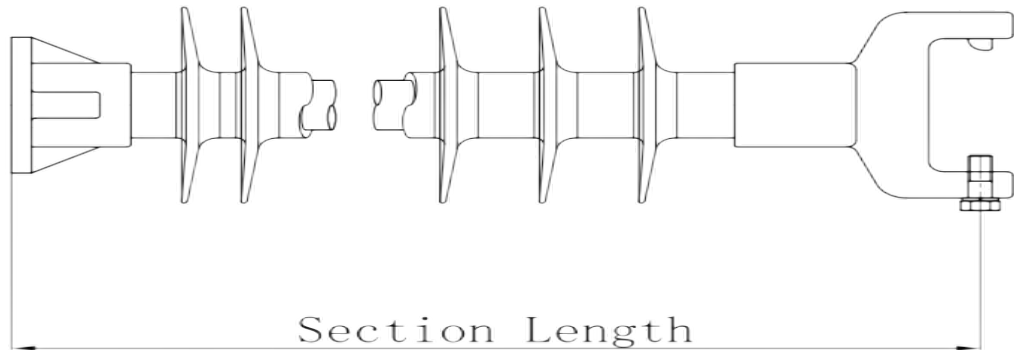
Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage		
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
15	5.5	LPC--15	277	183	287	86	66	146	193
28	5.5	LPC-28	378	284	478	122	103	206	271
35	5.5	LPC-35	429	335	569	141	122	239	309



LPC insulators with gain base: for pole poles

Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage		
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
15	5.5	LPC--15-GB-12	315	183	287	86	66	146	193
28	5.5	LPC-28-GB-12	417	284	478	122	103	206	271
35	5.5	LPC-35-GB-12	467	335	569	141	122	239	309

LPCV series vertical trunnion insulators 1.5" [38mm] diameter rod



LPCV insulators - stud mounting type

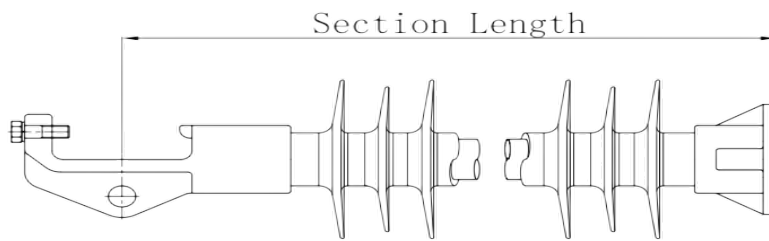
Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage	Positive polarity	Negative polarity
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
15	5.5	LPCV--15	277	183	287	86	66	146	193
28	5.5	LPCV-28	378	284	478	122	103	206	271
35	5.5	LPCV-35	429	335	569	141	122	239	309

LPCV insulators with vertical gain base: for pole poles

Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage	Positive polarity	Negative polarity
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
15	5.5	LPCV--15-VB-08	640	183	287	86	66	146	193
28	5.5	LPCV-28-VB-08	742	284	478	122	103	206	271
35	5.5	LPCV-35-VB-08	792	335	569	141	122	239	309

● MDCL=Maximum values. Design cantilever loads can be applied to insulators up to the maximum load (Long term use without damage to the insulator.)

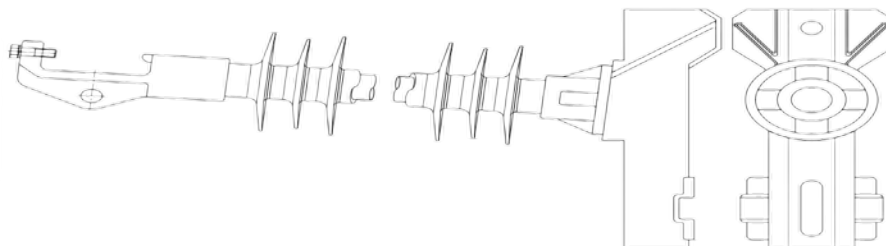
Series OLPK Horizontal Shaft Insulator 1.75" [45mm] diameter rod



OLPK insulators - stud mounting type

Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
46	5.6	OLPK--13	559	465	1074	188	168	318	403
69	5.3	OLPK-17	660	566	1372	224	203	381	472
88	4.1	MLPK-25	762	686	1806	268	245	455	550

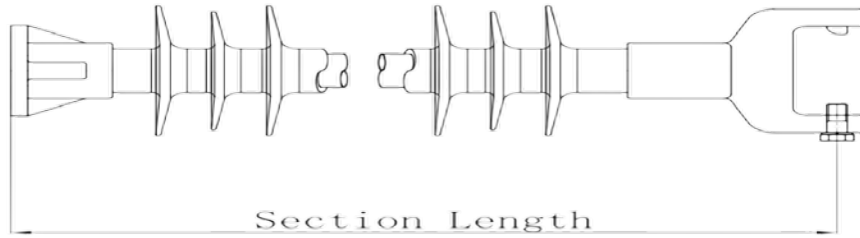
- OLPK--13--10 $\frac{3}{4}$ "
 $\frac{7}{8}$ "
 $\circ\frac{7}{8}$ "



Insulators with gain base: for pole-mounted line posts

Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
46	5.6	OLPK--13-GB-12	594	465	1074	188	168	318	403
69	4.9		696	566	1372	224	203	381	472
88	4.1	MLPK-25-GB-12	798	686	1806	268	245	455	550

OLPV Series Vertical Cut-Off Insulators 1.75" [45mm] diameter rod



OLPV insulators - stud mounting type

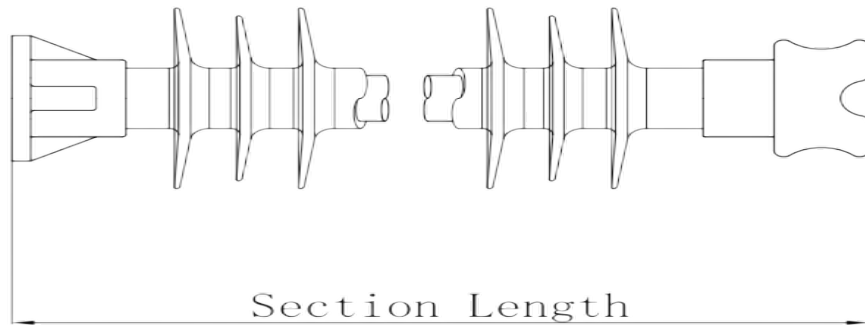
Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	产品ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
46	5.6	OLPV--13	559	465	1074	188	168	318	403
69	5.3	OLPV-17	660	566	1372	224	203	381	472
88	4.1	MLPV-25	762	686	1806	268	245	455	550

- OLPV--13--10 $\frac{3}{4}$ "
 $\frac{7}{8}$ "
 $\frac{7}{8}$ "

Insulators with vertical gain base: for pole mounting of poles

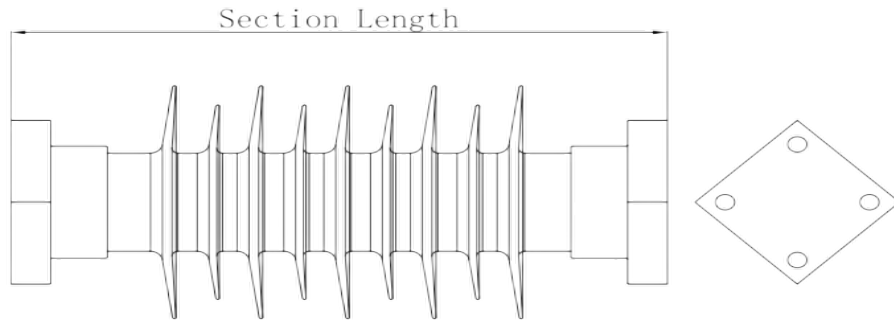
Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	产品ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
46	5.6	OLPV--13-VB-08	640	465	1074	188	168	318	403
69	5.3	OLPV-17-VB-08	742	566	1372	224	203	381	472
88	4.1	MLPV-25-VB-08	792	686	1806	268	245	455	550

Pull Top Insulator f-neck Design, 1.75" [45mm] diameter rod



Line voltage	MDCL	No.	Structure length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage		
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
25	5.6	TT--25	363	279	635	121	101	204	2673
35	5.6	TT--35	465	386	927	160	140	270	347
46	5.6	TT--46	513	432	1077	176	156	298	360
69	5.6	TT--69	569	483	1224	195	174	330	415

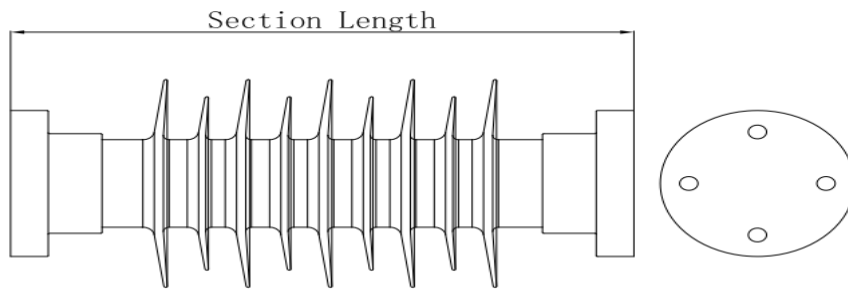
Power Distribution Station



Suitable for systems from 7.5 kV to 69 kV B.I.L: 95 kV - 350 kV

- End fitting = 3" bolt ring
- 1.75" solid bar
- Tensile strength = 16,000 lbs
- Torsional strength = 12000in-lbs

Line voltage	No.	Height	Leakage	Electrical features					Mechanical properties		
				Low freeboard wet tolerance	CIFO +	Critical Impact Tolerance	Highest Lev @ 1MHz	Test voltage to ground	SCL	MDC L	Pressure
kV	ID No.		inch	kV	kV	kV	μV	kV	lbs	lbs	lbs
7.5	SP1--95	7.5	12.7	30	105	95	50	5	2,000	800	10k
15	SP1-110	10.0	20.5	45	125	110	50	10	2,000	800	10k
23	SP1-150	14.0	32.2	60	170	150	100	15	2,000	800	10k
35	SP1-200	18.0	43.9	80	225	200	100	22	2,000	800	10k
46	SP1-250	22.0	55.6	100	280	250	200	30	2,000	800	10k
69	SP1-350	30.0	77.0	145	390	350	200	44	1,500	600	7.5k



Suitable for systems from 23 kV to 69 kV B.I.L: 150 kV - 350 kV

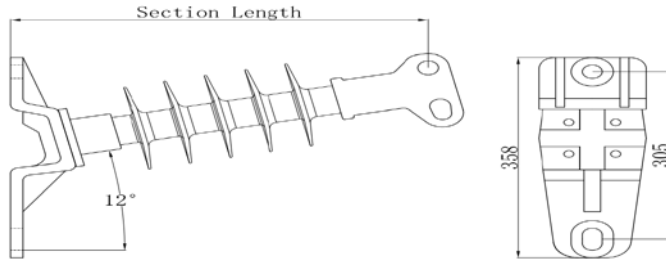
- End fitting = 5" bolt ring
- 2.5" solid bar
- Tensile strength = 17500 lbs
- Torsional strength = 32000 in-lbs

Line voltage	No.	Height	Leakage	Electrical features					Mechanical properties		
				Low freeboard wet tolerance	CIFO +	Critical Impact Tolerance	Highest Lev @ 1MHz	Test voltage to ground	SCL	MDC L	Pressure
kV	ID No.	inch	inch	kV	kV	kV	μV	kV	lbs	lbs	lbs
23	SP-150Ex	15.0	27.0	60	170	150	100	15	8,000	6,000	25k
35	SP-200Ex	20.0	40.8	80	225	200	100	22	6,500	4,200	25k
46	SP-250Ex	24.0	53.6	100	280	250	200	30	5,500	3,500	25k
69	SP-350Ex	30.0	72.0	145	390	350	200	44	4,400	2,770	25k

- The maximum design cantilever load (MDCL) of a composite insulator is defined as the maximum load that the composite insulator cannot permanently withstand.
- The specified cantilever load (SCL) is the apparent cantilever load. For the purposes of this document, SCL is the cantilever strength of a composite insulator.

Horizontal line post insulators

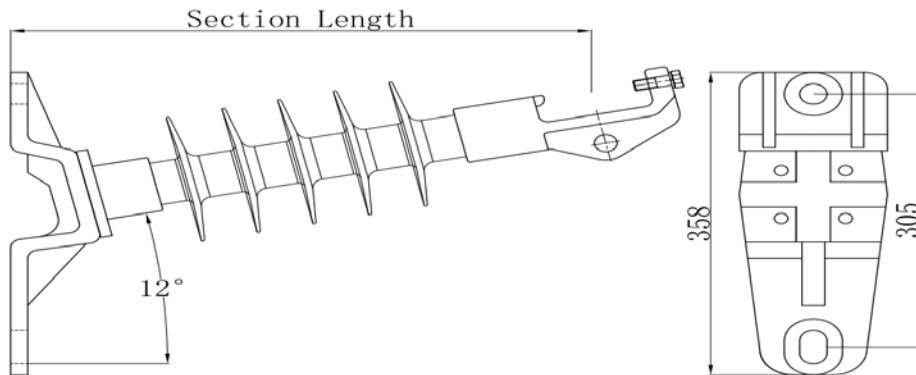
2.0" (50mm) rod diameter



Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage		
kV	kN	产品ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
69	7.7	P200C1029	737	551	1892	219	198	371	462
69	6.2	P200C1034	864	681	1895	265	243	452	547
69	5.1	P200C1040	1016	836	1798	321	296	549	642
115	4.6	P200C1044	1118	940	3045	358	331	614	702
115	4.1	P200C1049	1245	1069	3048	403	373	695	771
138	3.7	P200C1054	1372	1199	3686	449	415	776	836
161	3.2	P200C1060	1524	1356	4221	503	464	873	920

- STL (Specified Tensile Load) - 3500 lbs. [15.6kN]
- For other ratings or custom insulator designs, please contact.

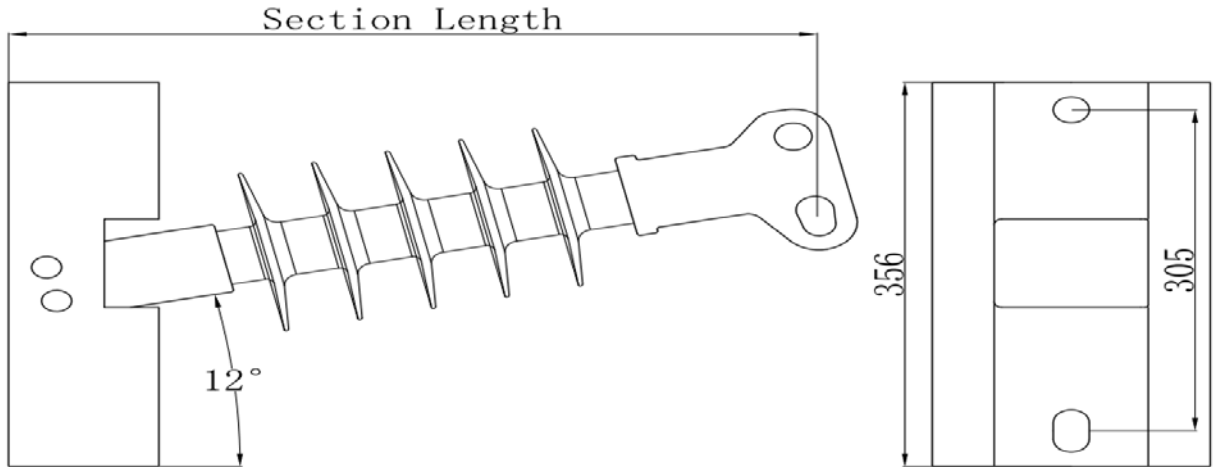
2.0" (50mm) rod diameter



Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage		
kV	kN	产品ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
69	7.7	P200C2029	737	544	1885	216	195	367	457
69	6.2	P200C2034	864	673	1887	263	240	447	542
69	5.1	P200C2040	1016	828	1791	318	293	545	638
115	4.6	P200C2044	1118	932	3038	355	328	609	697
115	4.1	P200C2049	1245	1062	3040	401	371	691	767
138	3.7	P200C2054	1372	1191	3678	446	413	772	833
161	3.2	P200C2060	1524	1349	44214	500	462	869	915

- STL (Specified Tensile Load) - 5000 lbs. [22.2kN]
- For other ratings or custom insulator designs, please contact.

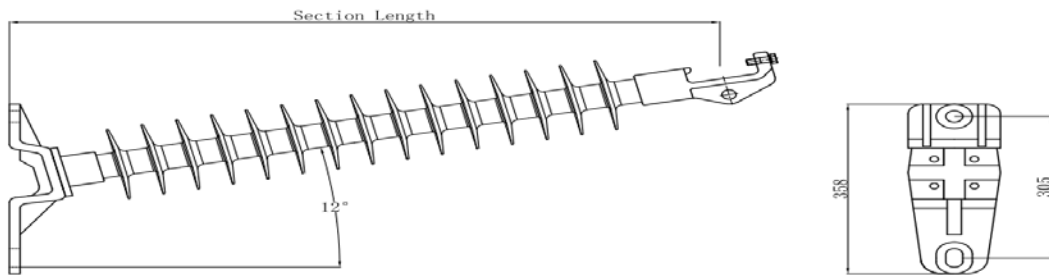
2.0" (50mm) rod diameter



Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz	Lightning impulse flashover voltage		
kV	kN	产品ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
69	7.8	P20091029	737	564	1908	224	203	380	471
69	6.4	P20091034	864	693	1910	270	248	460	555
69	5.2	P20091040	1016	851	1811	326	301	558	650
115	4.7	P20091044	1118	953	3058	362	335	623	709
115	4.1	P20091049	1245	1085	3061	408	378	704	778
138	3.7	P20091054	1372	1214	3698	453	420	785	843
161	3.3	P20091060	1524	1369	4234	507	469	882	928

- STL (Specified Tensile Load) - 7000 lbs. 31.1kN]]
- For other ratings or custom insulator designs, please contact.

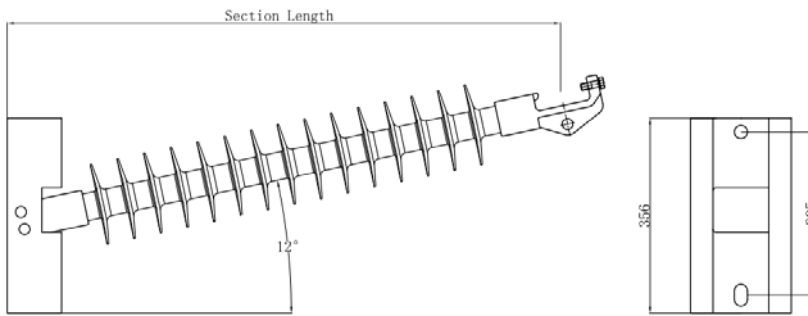
2.5" (63.5mm) rod diameter



Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
69	11.1	P250C2035	889	655	1839	256	234	436	530
69	10.8	P250C2041	1039	808	2304	311	287	532	626
115	8.0	P200C2053	1346	1118	3239	419	388	724	795
138	7.0	P200C2058	1491	1270	3706	473	438	821	869
138	6.7	P200C2062	1567	1349	3940	500	462	868	915
161	5.9	P200C2067	1717	1501	4407	553	510	964	1006
230	5.3	P200C2075	1905	1694	4989	618	567	1082	1118
230	4.7	P200C2084	2131	1925	5690	696	635	1222	1251

- STL (Specified Tensile Load) - 5000 lbs. [22.2kN]
- For other ratings or custom insulator designs, please contact.

2.5" (63.5mm) rod diameter

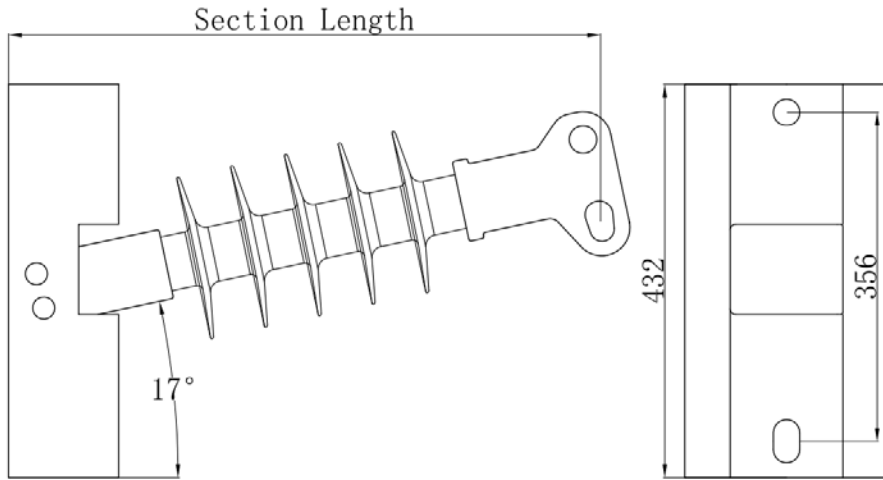


Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
69	11.1	P25092035	894	655	1839	256	234	436	530
69	10.6	P25092041	1044	808	2304	311	287	532	626
115	7.9	P20092053	1346	1118	3239	419	388	724	795
138	7.0	P20092059	1496	1270	3706	473	438	821	869
138	6.6	P20092062	1572	1349	3940	500	462	868	915
161	5.9	P20092068	1722	1501	4407	553	510	964	1006
230	5.3	P20092075	1910	1694	4989	618	567	1082	1118
230	4.7	P20092084	2136	1925	5690	696	635	1222	1251

●STL (Specified Tensile Load) - 5000 lbs. [22.2kN]

●For other ratings or custom insulator designs, please contact.

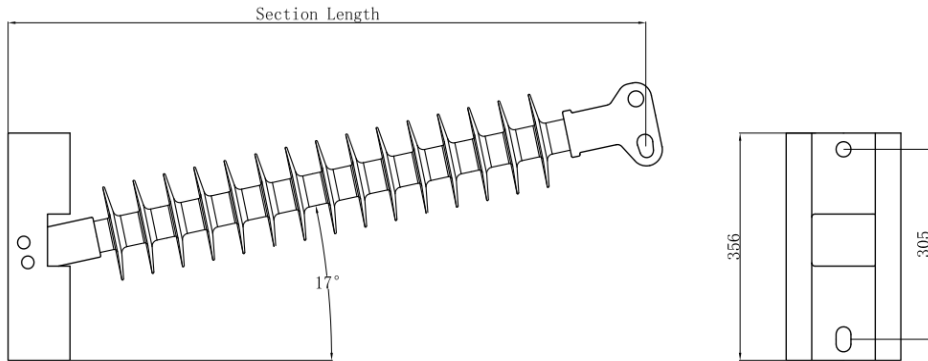
3.0" (76mm) rod diameter



Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV	kN	ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
115	14.5	P30091051	1295	998	3035	378	350	651	734
138	11.9	P30091060	1524	1237	3642	462	427	800	854
161	10	P30091069	1753	1478	4249	544	502	949	992
230	8.2	P30091082	2083	1824	6071	662	605	1160	1192
345	6.3	P30091104	2642	2408	9114	856	767	1505	1522

- STL (Specified Tensile Load) - 20000 lbs. [89.0kN]
- For other ratings or custom insulator designs, please contact.

3.5" (90mm) rod diameter



Line voltage	MDCL	No.	Partial length	Dry arc	Leakage	Electric Flash			
						IDF flashover voltage 60Hz		Lightning impulse flashover voltage	
kV		ID No.	mm	mm	mm	Dry	Wet	Positive polarity	Negative polarity
115	25	P35091049	1232	925	2428	352	326	605	693
138	17.3	P35091065	1641	1349	3594	500	462	869	916
161	15.6	P35091070	1788	1504	4018	553	510	964	1006
230	8.5	P35091099	2517	2210	6038	789	712	1389	1409
345	6.1	P35091113	2865	2573	9056	995	915	1565	1660

- STL (Specified Tensile Load) - 15000 lbs. [66.8kN]
- For other ratings or custom insulator designs, please contact.

Pressure equalisation rings for column insulators

High voltages can cause unwanted noise (RIV) and corona. To minimise the effects of corona, corona rings are applied to one or both ends of the insulator (attached to the end fittings). Usually, for system voltages of 230 kV and above, a combination of equalising rings or rings is necessary. However, some applications may require rings at lower system voltages.

Recommendation for the application of pressure equalisation rings

	138kV	161kV	230kV	345kV	400kV
Wire Ends	/	/	8 "	12 "	12 "
Tower Ends	/	/	/	/	8 "

Major Performance

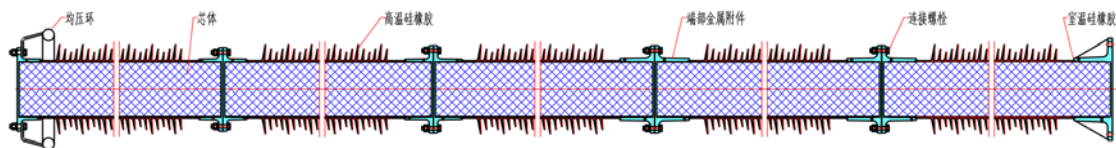
No	Contract Date	Project Name	End-user	Model	Qty
1	2014、05	Chengguan 220kV transmission line and substation project	Ningxia Electric Power company Shizuishan Electric Power Bureau	FXBW-220/120-3	72
2	2014、05	Maintenance company 220kV Bulanyi line	Ningxia Electric Power company	FXBW-220/120-2	21
3	2014、05	Maintenance company	Ningxia Electric Power company	FXBW-220/120-3	60
4	2014、05	Maintenance company	Ningxia Electric Power company	FXBW-220/120-2	290
5	2014、05	Maintenance company	Ningxia Electric Power company	FXBW-220/120-3	201
6	2014、05	Maintenance company	Ningxia Electric Power company	FXBW-220/120-2	162
7	2014、05	Maintenance company	Ningxia Electric Power company	FXBW-220/120-3	246
				FXBW-220/120-2	444

No	Contract Date	Project Name	End-user	Model	Qty
1	2014、09	Crossing Huaixing railway 500kV transmission line upgrade project	Inner Mongolia Power Company	FXBW-500/100	24
				FXBW-500/180	21
2	2017、02	Stage Grid Shandong Maintenance Company 500kV Donglao II line insulator repair project	State Grid Shandong Electric Power Company	FXBW-500/120-2	77
				FXBW-500/210-2	612
3	2017、02	Stage Grid Shandong Maintenance Company 500kV Qishao line upgrade project	State Grid Shandong Electric Power Company	FXBW-500/210-3	615
				FXBW-500/120-3	55
4	2017、02	Stage Grid Shandong Maintenance Company 500kV Xianguang line insulator repair project	State Grid Shandong Electric Power Company	FXBW-500/210-2	1300
				FXBW-500/300-1	15
				FXBW-500/120-2	75

No	Contract Date	Project Name	End-user	Model	Qty
1	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/120,7150,23500	85
2	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/120,7150,23500	269
3	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/120,7150,23500	300
4	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/120,7150,23500	354
5	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/120,7150,23500	429
6	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/120,7150,23500	559
7	2017、05	Shanbei Wind Power Base 750kV concentrated send project	State Grid Shanxi Electric Power Company	FXBW-750/210,7150,23500	67

No	Contract Date	Project Name	End-user	Model	Qty
1	2018-07-12	West Beijing to Shijiazhuang 1000kV AC UHV transmission and transformation project line project	State Grid Hebei Electric Power Co., Ltd	FXBW-1000/210	12
	2018-07-12		State Grid Hebei Electric Power Co., Ltd	FXBW-1000/210	4
	2018-07-12		State Grid Hebei Electric Power Co., Ltd	FXBW-1000/210	300
	2018-07-12		State Grid Hebei Electric Power Co., Ltd	FXBW-1000/300	792
	2018-07-12		State Grid Hebei Electric Power Co., Ltd	FXBW-1000/420	168
2	2018-09-07	Weifang ~ Linyi ~ Zaozhuang ~ Heze ~ Shijiazhuang UHV AC line project	State Grid Shandong electric power materials company	FXBW-1000/420	156
	2018-09-07		State Grid Shandong electric power materials company	FXBW-1000/210	72
	2018-09-07		State Grid Shandong electric power materials company	FXBW-1000/420	36
	2018-09-07		State Grid Shandong electric power materials company	FXBW-1000/420	72
	2018-09-07		State Grid Shandong electric power materials company	FXBW-1000/210	228

Major Products



Technical Parameter Table of DC Post Composite Insulator for Power Station

NO.	Model	Height mm	Insulation Distance mm	Rated mechanical Load		Power Climbing Distance mm	Lightning full wave Shock withstand Voltage kV	11min wet working frequency Withstand voltage kV	2h wet DC Withstand voltage kV	Wet operation by Shock withstand voltage kV
				Bending kN	Turning kN.m					
1	FZSW- ±1100/16	13995	12400	16	12.5	55000	2850	-	1680	2100
2	FZSW-±800/16	12270	10675	16	10	47400	2750	1100	1580	1920
3	FZSW-±450/16	6480	5855	16	10	22500	2100	790	750	1425
4	FZSW-±400/24	6395	5710	24	10	26700	1502	740	612	1202
5	FZSW-±400/20	4800	4250	20	10	16680	1550	740	600	1240
6	FZSW-±220/16	3060	2720	16	10	11000	1450	510	325	950
7	FZSW-±220/16	2500	2230	16	10	8600	1050	360	330	850
8	FZSW-±40/30	1600	1340	30	10	5280	800	325	-	600

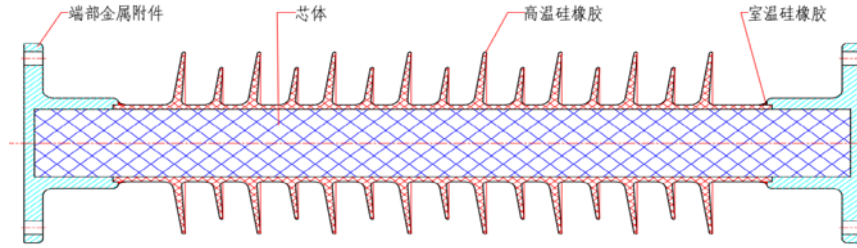


Table of Technical Parameters of AC Post Composite Insulators for Power Stations

NO.	Model	Height mm	Insulation Distance mm	Rated mechanical Load		Power Climbing Distance mm	Lightning full wave Shock withstand Voltage kV	1min wet working frequency Withstand voltage kV	Wet operation Shock withstand Voltage kV
				Bending kN	Turning kN.m				
1	FZSW-24/4	350	230	4	4	780	125	50	-
2	FZSW-40.5/8	560	400	8	4	1400	185	80	-
3	FZSW-40.5/16	650	500	16	6	1600	240	100	-
4	FZSW-72.5/30	800	640	30	8	2380	240	100	-
5	FZSW-126/30	1200	1100	30	8	3700	550	200	440
6	FZSW-145/30	1500	1300	30	10	4900	700	290	530
7	FZSW-252/30	2400	2000	30	10	8400	950	395	-
8	FZSW-363/12	3500	3200	12	10	11260	1175	510	950
9	FZSW-363/30	3800	3450	30	10	13550	1450	510	1220
10	FZSW-550/16	4700	4000	16	10	17050	1675	740	1240
11	FZSW-550/20	6500	5640	20	10	22500	2010	890	1488
12	FZSW-800/16	7200	6200	16	10	24800	2100	960	1550
13	FZSW-1000/16	10195	9415	16	10	40760	2400	1100	1800

Major Performance

No	Project Name	End-user	Model	Qty
1	Yazhong converter station DC filter	Xi 'an Zhongyang Electric Co. Ltd	FZSW-±800/16 FZSW-±400/16 FZSW-±220/16	78
2	Wuhan converter station DC filter	Tianjin Jingwei Zhengneng Electrical Equipment Co., Ltd	FZSPW-±400/24 FZSPW-±800/16	26
3	Ordos Electric Power Bureau 2020 infrastructure project - Zhanggantu to Haerun 110KV transmission line project	Inner Mongolia Electric Power Co., LTD. Erdos Electric Bureau	FS-110/10 -1500	36
4	Star Ice Melting project	Beijing Electric Power Equipment General Factory Co. Ltd	FZSW-126/30	16
5	Baijiang converter station capacitor	Shanghai Yongjin Capacitor Co., Ltd	FZSW-363/30 FZSW-145/30 FZSW-50/30 FZSW-50/16 FZSW-40.5/8	545
6	Baihetan - Jiangsu project supporting reactor	Beijing Electric Power Equipment General Factory Co. Ltd	FZSW-126/18 FZSW-126/30 FZSW-40.5/10 FZSW-40.5/25	792

No	Project Name	End-user	Model	Qty	corollary equipment
7	Baihetan~Jiangsu Project supporting shunt reactor	Tianjin Jingwei Zhengneng Electrical Equipment Co., Ltd	FZSW-220/16	218	Bridge arm reactor
8	Foreign trade	ELECTRO TALLERES ZARAUTZ, S.A.	FZSW-145/6 FZSW-245/12.5	581	substation
9	Baihetan~Zhejiang end converter station project	Dc Construction Branch of State Grid Corporation	FZSW-40.5/16 FZSW-72.5/20 FZSW72.5/160 FZSW-126/16 FZSW-550/20	563	Pole pole of ac field
10	Baihetan~Zhejiang project supporting reactor	Xian Zhongyang Electric Co. Ltd	FZSW±800/16 FZSW-±450/16 FZSW-±400/20 FZSW-±220/16 FZSW-±220/20	135	Dc field reactor
11	Supporting capacitors for Baihetan~Zhejiang project	Shanghai Yongjin Capacitor Co., Ltd	FZSW-363/30 FZSW-145/30 FZSW-50/30 FZSW-50/16 FZSW-40.5/8	645	Ac field capacitor
12	Baihetan~Zhejiang project supporting reactor	Beijing Electric Power Equipment General Factory Co. Ltd	FZSW-40.5/10 FZSW-40.5/25 FZSW-126/30	387	Ac field filter reactor