



产品选型目录 PRODUCT CATALOG

指明集团有限公司 ZHIMING GROUP CO.,LTD.

地址(Add): 浙江省乐清市柳市镇车站路303号

邮编: 325604

电话(Tel): 86-577-61808888 62897168

传真(Fax): 86-577-62896168

http: // www.zmgs.com

E-mail: zmgroup@126.com



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本广告资料由指明集团企业印制, 仅用于展示本企业系列的相关产品价格。本手册只汇编了指明集团部分代表性产品, 指明集团部分产品正在研发, 升级中或采用更新的生产工艺改进本手册有关内容, 或对本手册的印刷错误及相关资料信息进行必要的改进或更新时, 恕不另行通知。若造成不便, 敬请谅解!



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*Zhiming Group Appliance grows
up with you*



董事长: 赵可兴



集团简介 GROUP BRIEF

指明集团有限公司地处中国电器之都 -- 浙江省乐清市，成立于1999年的金秋时节，注册资金壹亿壹仟捌佰万元，是一家全国性无区域企业，并被认定为浙江省高新技术企业。

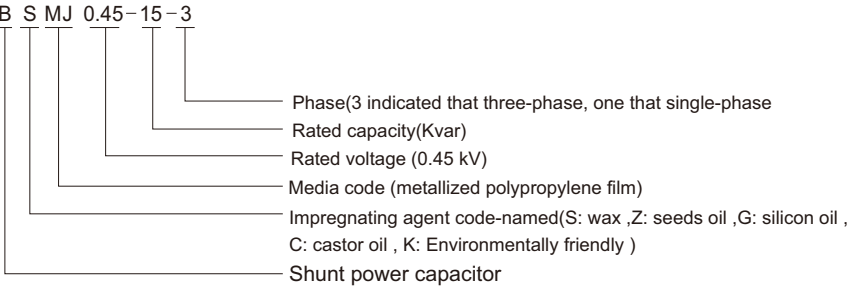
集团公司专业生产高低压电力电容器，智能集成电容器，电容器投切开关，无功补偿控制器，无功补偿装置系列，单、三相电能表，三相多功能电能表，智能型多用户电能表等高、低压电器元件产品。公司通过自主与合作研发等途径，不断加快产品的更新换代及开发，众多产品质量达到了国际标准。集团公司先后通过了ISO9001质量管理体系认证、ISO14001环境管理体系认证、ISO45001职业健康安全管理体系认证，“指明”牌产品通过了中国质量认证中心的CCC、CQC等产品质量体系的认证，公司也多次被评为省级“高新技术企业”、“科技型企业”、“诚信民营企业”、“信用管理示范企业”等荣誉称号。公司技术力量雄厚，先后获得多项产品技术专利，公司研发中心被认定为“温州市企业技术研究开发中心”。

集团公司在满足国内客户需求的同时，产品还远销东南亚、中南美洲、俄罗斯、中东地区等地，获得广大客户的一致认可。公司将以“质量第一、优质服务、积极进取”为宗旨，诚邀广大国内外朋友携手并进、共创辉煌！

ZHIMING GROUP CO., LTD. located at Yueqing, Zhejiang, the Electric city, was established in the Autumn of 1999, the registered capital RMB 118 Million Yuan, one the unlimited regional enterprise in China, now classified as Zhejiang Hi-tech Enterprises.

The group professionally produces high and low voltage power capacitors, intelligent integrated capacitor, capacitor switch, reactive power compensation controller, reactive power compensation devices, single, three phases energy meters, three-phase multi-functional meters, intelligent energy meter for multiple users and etc. through self-research and cooperation, we continued developing new products, many products have complied with international standards. Our group has awarded ISO9001, ISO14001, and ISO45001 certificates, ZHIMING brand products passed the attestation of CCC, CQC issued by China Quality Attestation Center. Our company had achieved the titles of Hi-tech Enterprises, Technical Enterprise, Private Credit Enterprise, Typical Enterprise of Credit Management and etc. Our company occupied powerful technical strength, attained many technical patents. our research center is classified as Wenzhou Technical Research Center.

Our products not only supply for the demand of domestic customers, also exported to Southeast Asia, Middle America, Russia, Middle east and etc, won the wide acceptance from the users. we would insisted on the tenet of "Quality first, Best Services, Active Striving", welcome the domestic and foreign friends to cooperate and build a splendid future.



Structure features

- **Small size, light weight, easy to install**
Using high quality metallized polypropylene film new material as the medium, as well as the unique structural design of the capacitor volume, the weight is only 1 / 4 and 1 / 5 of the old product.
- **Low loss, less heat, low temperature rise**
The new gold injection process and the unique metallization film edge thickening technology make the capacitor surge resistance capacity is greatly strengthe ned, the performance is stable, the working life is greatly extended, the capacitor itself energy consumption is reduced, the actual value is lower than 0.08%, less heat, low temperature rise, the energy saving effect is good.
- **Excellent self-healing performance**
The local breakdown of the medium can quickly heal itself, restore the normal work, and greatly improve the reliability.
- **Safety**
Equipped with self-discharge resistance and insurance device, safe and reliable for use.
- **No oil leakage, green and environmental protection**
The microcrystal wax is used as the dipping agent, the normal temperature is solid, the drop point is higher than 70℃ , does not leak oil in the process of use, avoid environmental pollution, not only has the characteristics of dry structure, but also has the advantages of impregnated capacitor. In addition, the unique impregnation process makes the capacitor operation more reliable.
- **Corrosion-resistant and anti-counterfeiting shell, beautiful and strong**
Printing iron shell by special double anti-corrosion treatment, corrosion resistance is greatly improved, unique anti-counterfeiting design, fine and beautiful.

Application

Self healing low voltage shunt power capacitor was used in 50Hz and 6oHz power system it mainly improver power factor, reduce reactive power loss, improve voltage quality. Encavate transformer quantity and so on.
This product meets the standard: GB/T 12747-2017 IEC60831-2014

Working conditions

- Power capacitor should confirm left voltage reduce to rated voltage 10% to input again after the power was cut off ,normally it will need 200s almost. so it would choose the power controller which has input and reput lock time function after cut off the power. If choose normally power controller, it must install speediness discharge power equipment .it would not limited which use adopting same electric factor input and chip switch.
- Altitude level is not more than 2000m.
- Temperature type: -25/C low temperature, highest temperature is C type (it would not more than 50℃ the average of temperature is not more than 40℃ within 24 hours, one year average of temperature is not more than 30℃),power capacitor will work within good ventilate condition. It would not permit within sealing and installation condition

Main Technical data

- Rated voltage: 230V, 250V, 400V, 450V, 525V, 690V, 750V, 1050V, 1200V, other special voltage please notice it .
- Rated capacity: 0.4~0.69kV 1~60kvar, other voltage class's capacity ,please notice it .
- Rated frequency: 50Hz or 60Hz.
- Capacity tolerance: -5%~+10%.
- Loss angle tan δ 0.1% when the temperature is 20℃.
- Anti voltage : between two pole 2.15 time rated voltage is 10 s, between two pole 3kV please choose highest value 10 s , there is noperpetuity puncture and flash over.
- Max permit over voltage: 1.1 time rated voltage ,the high permit over voltage is not more than 8 hours within 24 hours . 1.15 time rated voltage ,it is not more than 30 minute within 24 hours ,1.2 time rated voltage it is not more than 5 minute ,1.3 times rated voltage ,it would not more than 1 minute
- Max permit over current: it is permit that the over current is not more than 1.3 time rated current ,interim over current it should consider over voltage, capacity positive tolerance and harmonic effect .interim over current is not more than 1.43 time rated current .
- Connection: △ Y type ,Y type should draw out through neuter ,III three section ,single phase type ,and all kind of connection way .other connection way it will notice when you order it
- Discharge property: the-left voltage will reduce from $\sqrt{2}U_n$ to below 50V within 3 minutes when the power cut off.
- Standard: GB/T12747-2017, IEC60831: 2014

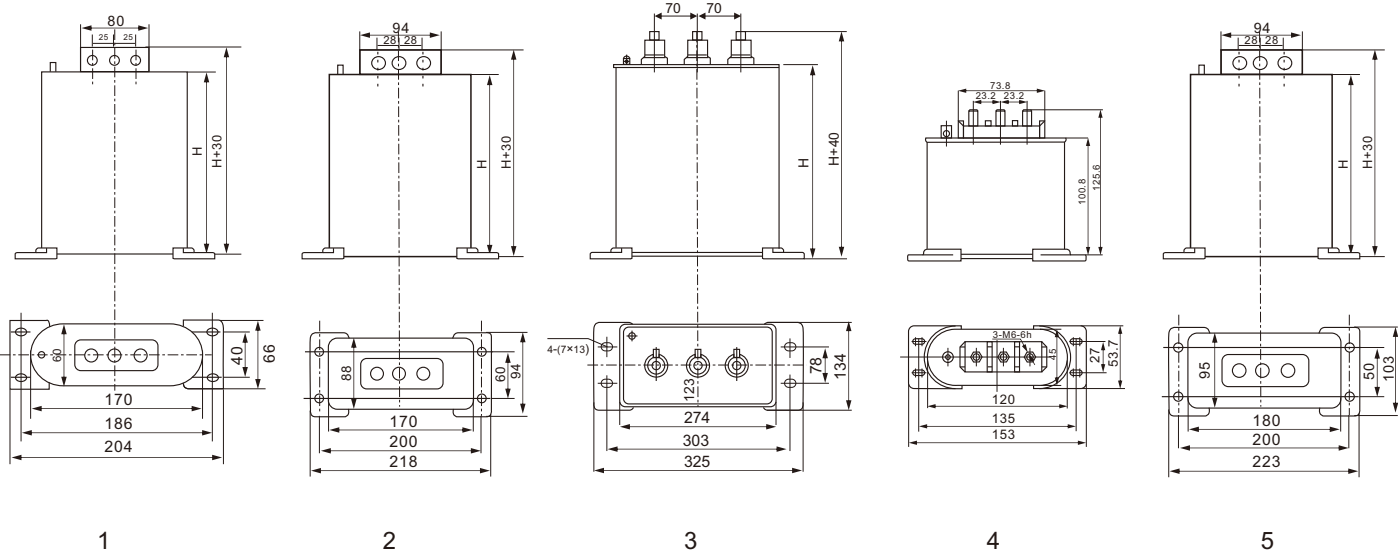
Main technical data & dimensions data(Three-phase)

Model BSMJ/BCMJ/ BZMJ	Rated Volt. (KV)	Rated Capacity (Kvar)	Rated Capacity (uF)	Rated Current (A)	H (mm)	Outgoing terminal	Drawing No.
0.4-4-3	0.4	4	79.6	5.8	105	M6	1
0.4-5-3	0.4	5	99.5	7.2	105	M6	1
0.4-6-3	0.4	6	119.4	8.7	105	M6	1
0.4-7.5-3	0.4	7.5	149.2	10.8	105	M6	1
0.4-8-3	0.4	8	159.2	11.6	125	M6	1
0.4-10-3	0.4	10	198.9	14.4	180	M6	1
0.4-12-3	0.4	12	238.7	17.3	180	M6	1
0.4-14-3	0.4	14	278.5	20.2	180	M6	1
0.4-15-3	0.4	15	298.4	21.7	210	M6	1
0.4-16-3	0.4	16	318.3	23.1	210	M6	1
0.4-18-3	0.4	18	358.1	26.0	210	M6	1
0.4-20-3	0.4	20	397.9	28.9	245	M6	1
0.4-22-3	0.4	22	437.7	31.8	245	M6	1
0.4-24-3	0.4	24	477.4	34.6	210	M6	2
0.4-25-3	0.4	25	497.4	36.1	210	M6	2
0.4-28-3	0.4	28	557.3	40.4	260	M8	2
0.4-30-3	0.4	30	596.8	43.3	260	M8	2
0.4-35-3	0.4	35	696.3	50.5	260	M8	2
0.4-40-3	0.4	40	796.2	57.7	330	M8	2
0.4-45-3	0.4	45	895.2	65.0	345	M8	5
0.4-50-3	0.4	50	995.2	72.2	345	M8	5
0.4-55-3	0.4	55	1094.2	79.4	220	M10	3
0.4-60-3	0.4	60	1194.3	86.6	220	M10	3
0.45-1-3	0.45	1	15.7	1.3	105	M6	4
0.45-2-3	0.45	2	31.4	2.6	105	M6	4
0.45-3-3	0.45	3	47.2	3.8	105	M6	4
0.45-4-3	0.45	4	62.9	5.1	105	M6	4
0.45-5-3	0.45	5	78.6	6.4	105	M6	1
0.45-6-3	0.45	6	94.3	7.7	105	M6	1
0.45-7.5-3	0.45	7.5	117.9	9.6	105	M6	1
0.45-8-3	0.45	8	125.8	10.3	105	M6	1
0.45-10-3	0.45	10	157.2	12.8	125	M6	1
0.45-12-3	0.45	12	188.6	15.4	180	M6	1
0.45-14-3	0.45	14	220.1	18.0	210	M6	1
0.45-15-3	0.45	15	235.8	19.2	210	M6	1
0.45-16-3	0.45	16	251.5	20.5	210	M6	1
0.45-18-3	0.45	18	282.9	23.1	210	M6	1
0.45-20-3	0.45	20	314.4	25.7	210	M6	1
0.45-22-3	0.45	22	345.8	28.3	245	M6	1
0.45-24-3	0.45	24	377.3	30.8	245	M6	1
0.45-25-3	0.45	25	393.2	32.1	210	M6	1
0.45-28-3	0.45	28	440.3	35.9	210	M6	2
0.45-30-3	0.45	30	471.8	38.5	210	M6	2
0.45-35-3	0.45	35	550.2	44.9	260	M8	2
0.45-40-3	0.45	40	629.1	51.3	260	M8	2
0.45-45-3	0.45	45	707.7	57.7	330	M8	2

Main technical data & dimensions data(Three-phase)

Model BSMJ BCMJ BZMJ	Rated Volt. (KV)	Rated Capacity (Kvar)	Rated Capacity (F)	Rated Current (A)	H (mm)	Outgoing terminal	Drawing No.
0.45-50-3	0.45	50	786.3	64.2	330	M8	2
0.45-55-3	0.45	55	864.5	70.6	330	M10	2
0.45-60-3	0.45	60	943.6	77.5	345	M10	5
0.525-5-3	0.525	5	57.7	5.5	125	M6	1
0.525-10-3	0.525	10	115.5	11.0	180	M6	1
0.525-15-3	0.525	15	173.2	16.5	210	M6	1
0.525-16-3	0.525	16	184.8	17.6	210	M6	1
0.525-18-3	0.525	18	207.9	19.8	210	M6	2
0.525-20-3	0.525	20	231.0	22.0	210	M6	2
0.525-25-3	0.525	25	288.9	27.5	210	M6	2
0.525-30-3	0.525	30	346.6	33.0	260	M8	2
0.525-40-3	0.525	40	462.2	44.0	330	M8	2
0.525-50-3	0.525	50	577.7	55.0	345	M10	2
0.525-60-3	0.525	60	693.3	66.0	220	M10	3
0.69-5-3	0.69	5	33.4	4.2	125	M6	1
0.69-10-3	0.69	10	66.9	8.4	180	M6	1
0.69-15-3	0.69	15	100.3	12.6	210	M6	1
0.69-16-3	0.69	16	107.0	13.4	210	M6	1
0.69-20-3	0.69	20	133.8	16.7	210	M6	2
0.69-25-3	0.69	25	167.2	20.9	210	M6	2
0.69-30-3	0.69	30	200.7	25.1	260	M8	2
0.69-40-3	0.69	40	267.4	33.5	330	M8	2
0.69-50-3	0.69	50	334.3	41.9	345	M10	3
0.69-60-3	0.69	60	401.4	50.2	220	M10	3
1.2-5-3	1.2	5	11.0	2.4	180	M6	1
1.2-10-3	1.2	10	22.0	4.8	210	M6	1
1.2-15-3	1.2	15	33.2	7.2	220	M6	1
1.2-20-3	1.2	20	44.2	9.6	260	M6	2
1.2-25-3	1.2	25	55.3	12	260	M6	2

Note: Other special specification models supply according to user requirements





B S MJ 0.25 - 5×3 1

Phase(Single-phase)

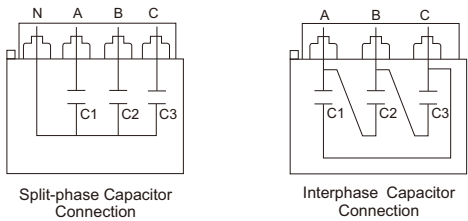
Rated capacity (The total capacity of three-phase)

Phase voltage 0.25kV

Metallized film capacitor

Impregnating agent code-named
(S: wax ,Z: seeds oil ,G: silicon oil ,
C: castor oil , K: Environmentally friendly)

Shunt power capacitor



Structure features

- Three pcs single phase power capacitor, connect Y-neuter make out (N terminal),so it make three pcs single phase common body capacitor , when you use it , AN BN CN is separate units.
- Absolute unit connect to discharge register, using is very safe.
- Any absolute unit damage has over press isolation equipment ,then it can break off.

Application

Power reactive compensate technology develop, for three phase unbalance load , you can adapt three phase input cut capacitor way, sub compensate reactive power, so it can make the compensate accuracy is high, saving electric impression is best, so our company develop sub compensate shunt power capacitor,his cover setting neuter lead to terminal block, it can convenient make power capacitor sub cut and input. This product instruction characteristic ,mainly technology data .

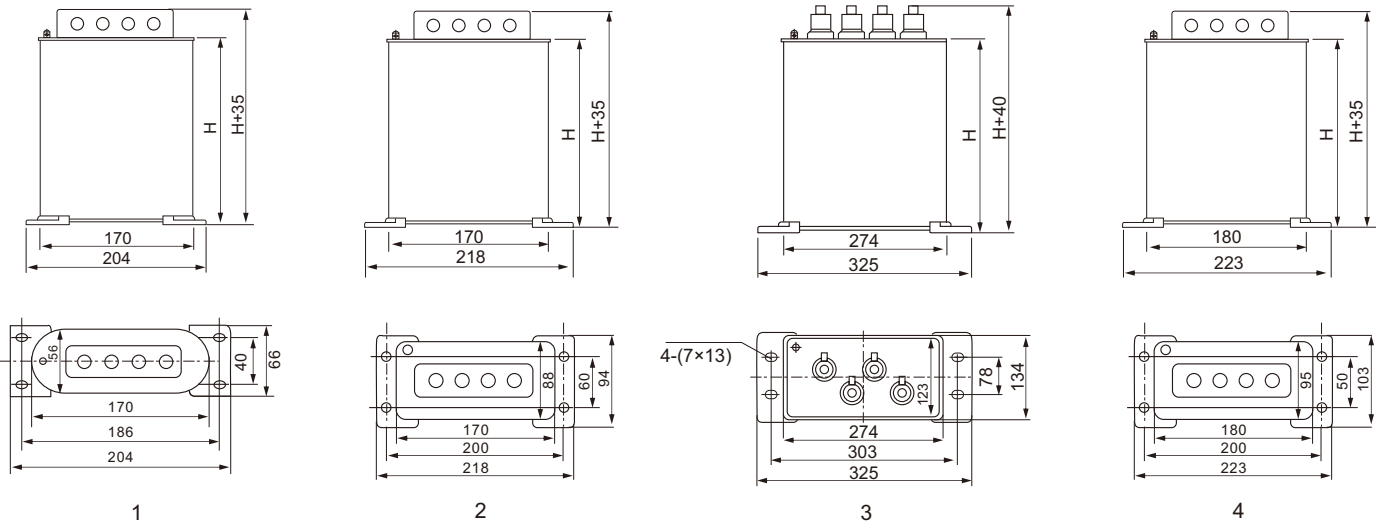
Working conditions

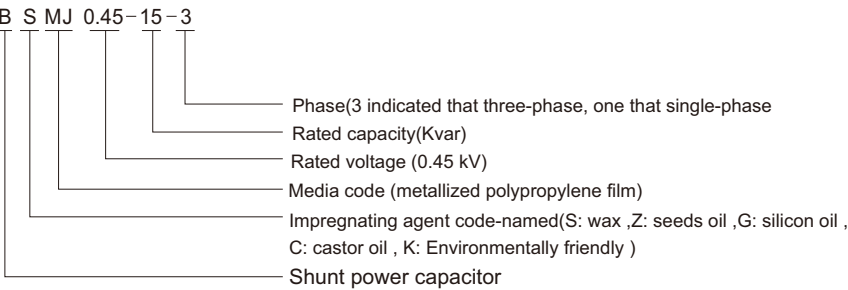
- Power capacitor should confirm left voltage reduce to rated voltage 10% to input again after the power was cut off ,normally it will need 200s almost. so it would choose the power controller which has input and reput lock time function after cut off the power. If choose normally power controller, it must install speediness discharge power equipment .it would not limited which use adopting same electric factor input and chip switch.
- Altitude level is not more than 2000m.
- Temperature type: -25/C low temperature, highest temperature is C type (it would not more than 50°C the average of temperature is not more than 40°C within 24 hours, one year average of temperature is not more than 30°C),power capacitor will work within good ventilate condition. It would not permit within sealing and installation condition

Main technical data & dimensions data(Split-phase series)

Model BSMJ/BCMJ/ BZMJ	Rated line voltage (KV)	Rated phase voltage (KV)	Three-phase capacity (Kvar)	Rated Capacity (uF)	Rated Current (A)	H (mm)	Outgoing terminal	Drawing No.
0.23-1×3-1	0.4	0.23	3	180.6	4.3×3	105	M6	1
0.23-1.67×3-1	0.4	0.23	5	301.0	7.2×3	125	M6	1
0.23-2×3-1	0.4	0.23	6	361.2	8.7×3	130	M6	1
0.23-2.5×3-1	0.4	0.23	7.5	451.5	10.9×3	160	M6	1
0.23-3.33×3-1	0.4	0.23	10	602.0	14.5×3	210	M6	2
0.23-4×3-1	0.4	0.23	12	722.0	17.4×3	210	M6	2
0.23-5×3-1	0.4	0.23	15	903.0	21.7×3	210	M6	2
0.23-6.67×3-1	0.4	0.23	20	1204.0	29.0×3	260	M8	2
0.23-8.33×3-1	0.4	0.23	25	1505.0	36.2×3	270	M8	4
0.25-1×3-1	0.43	0.25	3	152.8	4.0×3	105	M6	1
0.25-1.67×3-1	0.43	0.25	5	254.8	6.7×3	125	M6	1
0.25-2×3-1	0.43	0.25	6	305.7	8.0×3	125	M6	1
0.25-2.5×3-1	0.43	0.25	7.5	382.1	10.0×3	180	M6	1
0.25-2.67×3-1	0.43	0.25	8	407.6	10.7×3	180	M6	1
0.25-3.33×3-1	0.43	0.25	10	509.5	13.3×3	180	M6	1
0.25-4×3-1	0.43	0.25	12	611.5	16.0×3	210	M6	1
0.25-5×3-1	0.43	0.25	15	764.3	20.0×3	210	M6	2
0.25-5.33×3-1	0.43	0.25	16	815.3	21.3×3	210	M6	2
0.25-6.67×3-1	0.43	0.25	20	1019.0	26.7×3	210	M6	2
0.25-8.33×3-1	0.43	0.25	25	1273.9	33.3×3	260	M8	2
0.25-10×3-1	0.43	0.25	30	1528.7	40.0×3	270	M8	4
0.28-3.33×3-1	0.43	0.28	10	406.0	11.9×3	160	M6	1
0.28-4×3-1	0.43	0.28	12	488.0	14.3×3	210	M6	2
0.28-5×3-1	0.43	0.28	15	609.0	17.9×3	210	M6	2
0.28-6.67×3-1	0.43	0.28	20	812.0	23.8×3	210	M6	2
0.28-8.33×3-1	0.43	0.28	25	1016.0	29.8×3	210	M6	2
0.28-10×3-1	0.43	0.28	30	1219.0	35.7×3	260	M6	2
0.45-9-6	0.45	0.45	9	141.0	6.67	120	M6	2
0.45-21-6	0.45	0.45	21	329.7	15.5	160	M6	2

Note: Other special specification models supply according to user requirements





Structure features

- Taking cylinder aluminum case.
- Immerse liquid: no social effects of pollution dielectric oil.
- Inseting press detaching equipment and discharge electric resistor
- Capacitor core is healing good quality metallized film.
- Capacitor top is anti touching electric terminal block.
- Bottom is M12 or M16 install ground bolt.
- Three phase capacitor is inside △ connection way.

Main Technical data

- Rated voltage: 0.23kV, 0.25kV, 0.4kV, 0.415kV, 0.45kV, 0.48kV, 0.525kv and so on.
- Rated capacity: 1~30kvar
- Capacitance tolerance: -5%~+10%
- Power loss $\tan \delta$ 0.1%
- Between pole voltage: 2. 15 times rated voltage is 5 second ,no permanence puncture or shine
- Dielectric level: between cover add the voltage : 2 times rated voltage plus 2KV ,please take height continue 10 second ,no puncture and shine
- Max permit voltage: 1.1 times voltage ,every 24 hours is not more than 8 hours ,1.15 times voltage ,every 24 hours is not more than 30 munites 1.2 times voltage ,it would not more than 5second (continue)1.3 times voltage ,not more than 1 minutes.
- High permit current : it is permit to work within less than 1.3 times rated current ,as there are over voltage and capacitor positive deviation and harmonic the over current is not than 1.43 times rated current
- Discharge component : inside put discharge register ,capacitor cut off power ,than discharge 3 munites electric ,so the voltage reduce to 50v
- Standard: GB/T 12747-2017 / IEC60831-2014

Application

BSMJ cylinder self healing shunt power capacitor was used in 50Hz or 60Hz low voltage system equipment, it has power factor adjust ,it was suitable in normally field compensator and centralize auto compensate, it can reduce reactive power loss, improve voltage quality, it is national recommend saving electric products.
This product meets the standard: GB/T 12747-2017 IEC60831-2014

Working conditions

- Power capacitor should confirm left voltage reduce to rated voltage 10% to input again after the power was cut off ,normally it will need 200s almost. so it would choose the power controller which has input and reput lock time function after cut off the power. If choose normally power controller, it must install speediness discharge power equipment .it would not limited which use adopting same electric factor input and chip switch.
- Altitude level is not more than 2000m.
- Temperature type: -25/C low temperature, highest temperature is C type (it would not more than 50°C the average of temperature is not more than 40°C within 24 hours, one year average of temperature is not more than 30°C),power capacitor will work within good ventilate condition. It would not permit within sealing and installation condition

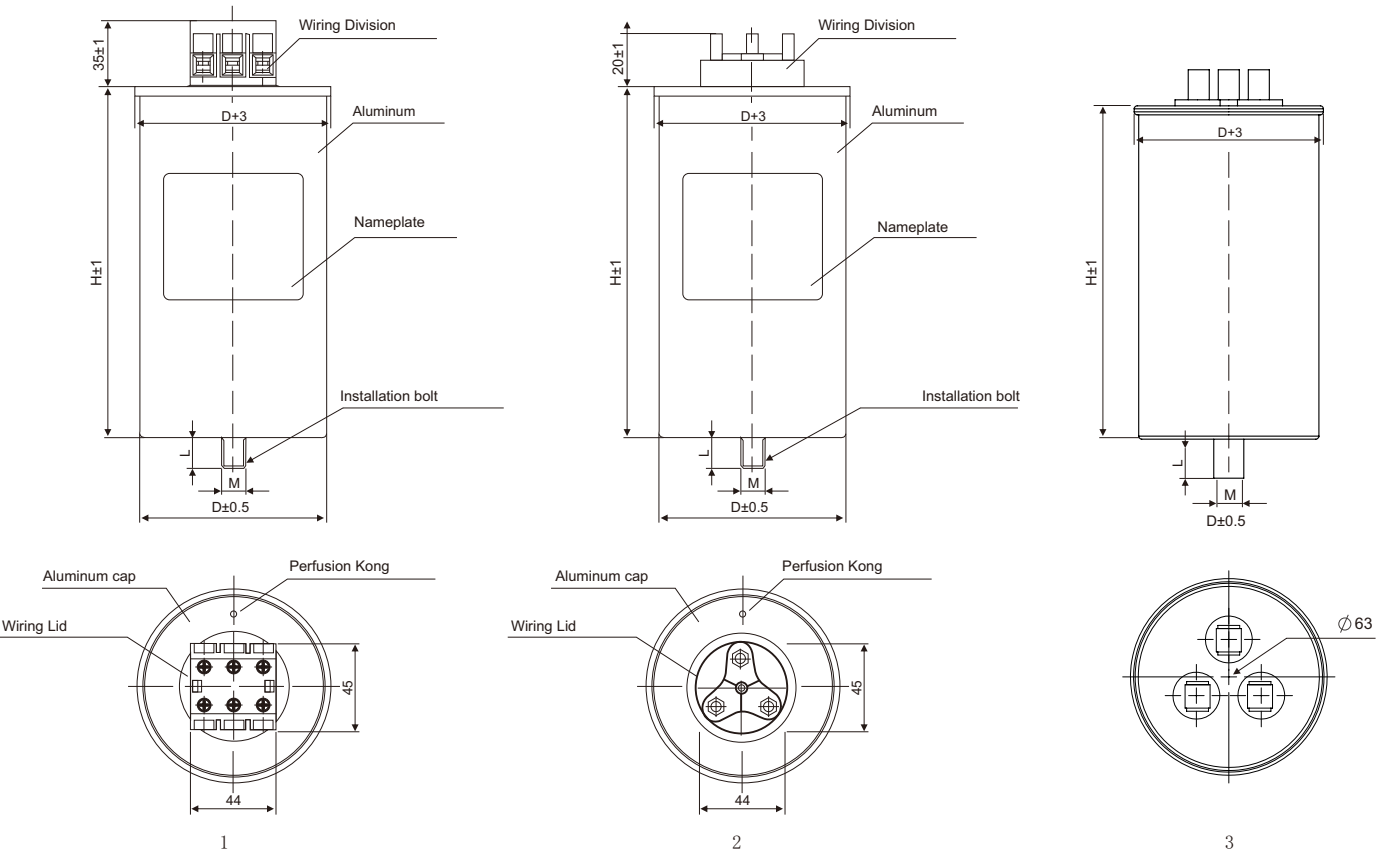
Main technical data

Three-phase capacitors Specifications

Model BSMJ	Rated Volt. (V)	Rated Capacity (kvar)	Rated Capacitance (uF)	Rated Current (A)	Rated Frequencies Hz	Dimension	Connection	Bottom Bolt	Drawing No.
0.25-2.5-3	250	2.5	127.4	5.8	50	76×180	△	M12×16	1
0.25-3-3	250	3	152.8	6.9	50	76×180	△	M12×16	1
0.25-4-3	250	4	203.8	9.2	50	76×240	△	M12×16	1
0.25-5-3	250	5	254.7	11.7	50	76×240	△	M12×16	2
0.25-6-3	250	6	305.7	13.9	50	76×240	△	M12×16	2
0.25-7.5-3	250	7.5	382.1	17.3	50	76×240	△	M12×16	2
0.25-8-3	250	8	407.6	18.5	50	96×240	△	M16×25	2
0.25-10-3	250	10	509.4	23.1	50	96×240	△	M16×25	2
0.25-12.5-3	250	12.5	636.8	28.9	50	106×240	△	M16×25	2
0.28-2.5-3	280	2.5	101.5	5.2	50	76×180	△	M12×16	1
0.28-3-3	280	3	121.8	6.2	50	76×180	△	M12×16	1
0.28-4-3	280	4	162.4	8.2	50	76×240	△	M12×16	1
0.28-5-3	280	5	203	10.3	50	76×240	△	M12×16	2
0.28-6-3	280	6	243.7	12.4	50	76×240	△	M12×16	2
0.28-7.5-3	280	7.5	304.6	15.5	50	76×240	△	M12×16	2
0.28-8-3	280	8	325	16.5	50	76×240	△	M12×16	2
0.28-10-3	280	10	406.1	20.6	50	96×240	△	M16×25	2
0.28-12.5-3	280	12.5	507.6	25.8	50	96×240	△	M16×25	2
0.45-1-3	450	1	15.7	1.3	105	55×110	△	M10×16	3
0.45-2-3	450	2	31.4	2.6	105	55×110	△	M10×16	3
0.45-3-3	450	3	47.2	3.8	105	65×110	△	M10×16	3
0.45-4-3	450	4	62.8	5.1	50	76×180	△	M12×16	1/2
0.45-5-3	450	5	78.5	6.4	50	76×180	△	M12×16	1/2
0.45-6-3	450	6	94.2	7.7	50	76×180	△	M12×16	1/2
0.45-7.5-3	450	7.5	117.8	9.6	50	76×180	△	M12×16	1/2
0.45-8-3	450	8	125.6	10.2	50	76×240	△	M12×16	1/2
0.45-10-3	450	10	157	12.8	50	76×240	△	M12×16	1/2
0.45-12.5-3	450	12.5	196.3	16	50	76×240	△	M12×16	1/2
0.45-15-3	450	15	235.5	19.2	50	86×240	△	M16×25	1/2
0.45-16-3	450	16	251.2	20.5	50	86×240	△	M16×25	1/2
0.45-20-3	450	20	314	25.6	50	96×240	△	M16×25	1/2
0.45-25-3	450	25	392.5	32	50	106×240	△	M16×25	1/2
0.45-30-3	450	30	471	38.5	50	106×290	△	M16×25	1/2
0.45-50-3	450	50	786	64.2	50	136×305	△	M16×25	2

Model BSMJ	Rated Volt. (V)	Rated Capacity (kvar)	Rated Capacitance (uF)	Rated Current (A)	Rated Frequency Hz	Dimension	Connection	Bottom Bolt	Drawing No.
0.48-2.5-3	480	2.5	34.5	3.0	50	65×110	△	M12×16	3
0.48-3-3	480	3	41.4	3.6	50	65×110	△	M12×16	3
0.48-4-3	480	4	55.2	4.8	50	76×180	△	M12×16	1/2
0.48-5-3	480	5	69	6.0	50	76×180	△	M12×16	1/2
0.48-6-3	480	6	82.8	7.2	50	76×180	△	M12×16	1/2
0.48-7.5-3	480	7.5	103.5	9.0	50	76×180	△	M12×16	1/2
0.48-8-3	480	8	110.4	9.6	50	76×240	△	M12×16	1/2
0.48-10-3	480	10	138	12	50	76×240	△	M12×16	1/2
0.48-12.5-3	480	12.5	172.5	15	50	86×240	△	M16×25	1/2
0.48-15-3	480	15	207	18	50	86×240	△	M16×25	1/2
0.48-16-3	480	16	220.8	19.2	50	86×240	△	M16×25	1/2
0.48-20-3	480	20	276	24.1	50	96×240	△	M16×25	1/2
0.48-25-3	480	25	345	30.1	50	106×240	△	M16×25	1/2
0.48-30-3	480	30	414.6	36	50	106×290	△	M16×25	1/2
0.525-5-3	525	5	57.8	5.5	50	76×180	△	M12×16	1/2
0.525-7.5-3	525	7.5	86.6	8.3	50	76×240	△	M12×16	1/2
0.525-10-3	525	10	115.5	11	50	76×240	△	M12×16	1/2
0.525-12.5-3	525	12.5	144	13.8	50	86×240	△	M12×16	1/2
0.525-15-3	525	15	173.3	16.5	50	96×240	△	M16×25	1/2
0.525-20-3	525	20	231	22	50	96×240	△	M16×25	1/2
0.525-25-3	525	25	288.8	27.5	50	106×290	△	M16×25	1/2

Installation and Dimension Chart



Application

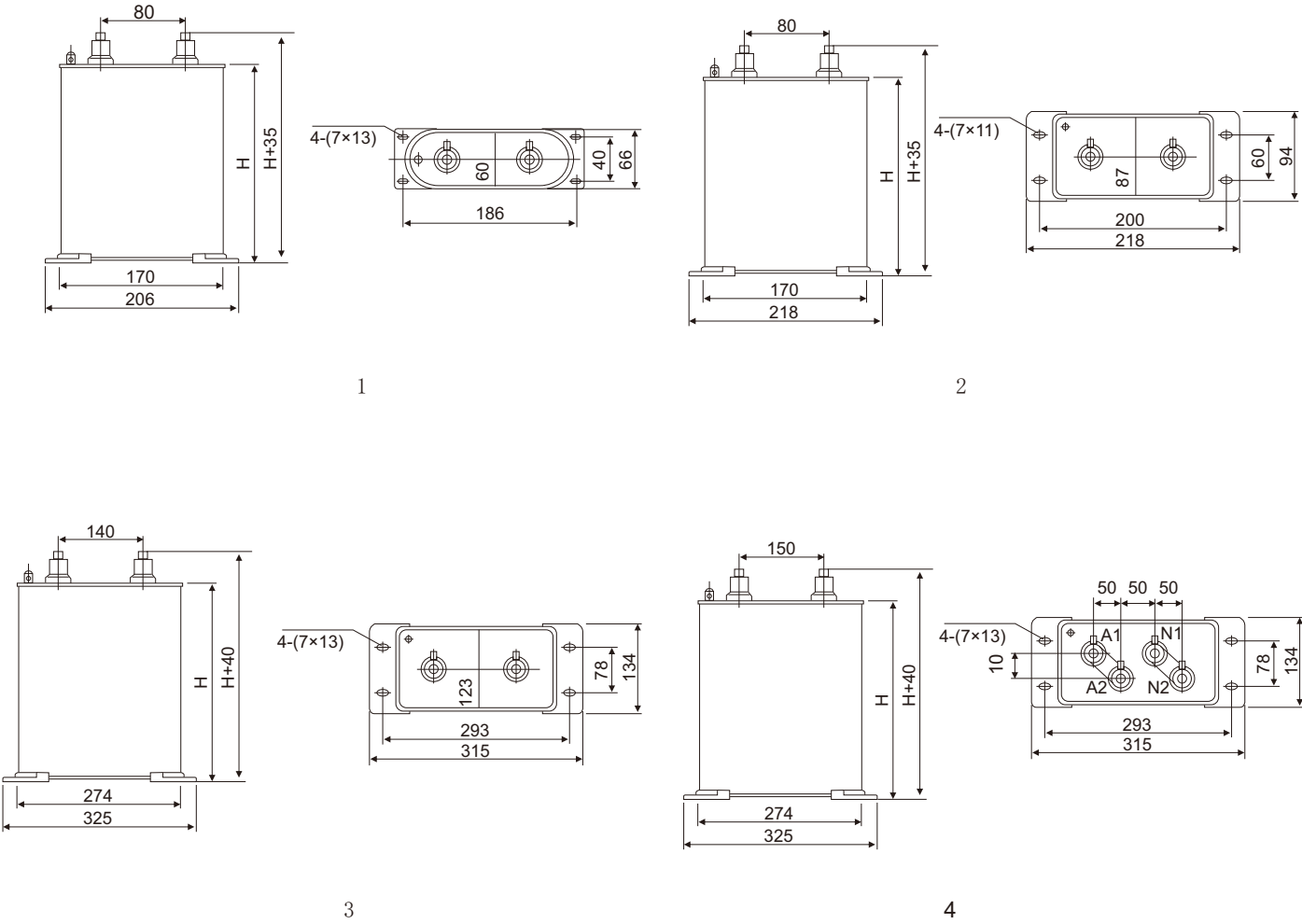
Self healing low voltage shunt power capacitor was used in 50Hz and 60Hz power system , it mainly improver power factor, reduce reactive power loss, improve voltage quality. Encavate transformer quantity and so on. It is best saving power products which company strong recommend and work.
This product meets the standard: GB/T 12747-2017 IEC60831-2014

Main technical data

Model BSMJ/BCMJ/BZMJ	Rated Volt. (KV)	Rated Capacity (Kvar)	Rated Capacity (uF)	Rated Current (A)	H (mm)	Outgoing terminal	Drawing No.
0.18-10-1	0.18	10	983.0	55.6	220	M6	2
0.18-15-1	0.18	15	1475.0	83.3	220	M8	3
0.18-20-1	0.18	20	1966.0	111.0	220	M8	3
0.18-25-1	0.18	25	2458.0	139.0	290	M8×2	3
0.25-5-1	0.25	5	255.0	20	130	M6	1
0.25-7.5-1	0.25	7.5	382.0	30	180	M8	1
0.25-10-1	0.25	10	510.0	40	210	M8	1
0.25-15-1	0.25	15	764.0	60	260	M8	2
0.25-20-1	0.25	20	1019.0	80	330	M10	2
0.25-25-1	0.25	25	1274.0	100	345	M10	2
0.25-30-1	0.25	30	1529.0	120	220	2×M10	3
0.4-10-1	0.4	10	198.9	25	180	M6	2
0.4-12-1	0.4	12	238.7	30	180	M6	2
0.4-15-1	0.4	15	298.4	37.5	210	M8	2
0.4-16-1	0.4	16	318.3	40	210	M8	2
0.4-18-1	0.4	18	358.1	45.0	245	M8	2
0.4-20-1	0.4	20	397.9	50	245	M8	2
0.4-25-1	0.4	25	497.4	62.5	210	M8	2
0.4-30-1	0.4	30	596.8	75	260	M8	2
0.4-35-1	0.4	35	696.3	87.5	260	M8	2
0.4-40-1	0.4	40	796.2	100	330	M10	2
0.4-45-1	0.4	45	895.2	112.5	220	2×M10	2
0.4-50-1	0.4	50	995.2	125	220	2×M10	2
0.4-60-1	0.4	60	1194.3	150	220	2×M10	2

Main technical data & dimensions data(Single-phase)

Model BSMJ/BCM/ BZMJ	Rated Volt. (KV)	Rated Capacity (Kvar)	Rated Capacity (uF)	Rated Current (A)	H (mm)	Outgoing terminal	Drawing No.
0.45-10-1	0.45	10	157.2	22.2	180	M6	2
0.45-12-1	0.45	12	188.6	26.7	180	M6	2
0.45-15-1	0.45	15	235.8	33.3	210	M8	2
0.45-16-1	0.45	16	251.5	35.6	210	M8	2
0.45-18-1	0.45	18	282.9	40	210	M8	2
0.45-20-1	0.45	20	314.4	44.4	210	M8	2
0.4-25-1	0.45	25	393.2	55.6	210	M8	2
0.45-30-1	0.45	30	471.8	66.7	210	M8	2
0.45-35-1	0.45	35	550.2	77.8	260	M10	2
0.45-40-1	0.45	40	629.1	88.9	260	M10	2
0.45-45-1	0.45	45	707.4	100.0	220	M10	3
0.45-50-1	0.45	50	786.3	111.1	220	2×M10	3
0.45-60-1	0.45	60	943.6	133.3	220	2×M10	3



Note: Other special specification models supply according to user requirements



Application

- Used on low-voltage distribution system to compensate for the inductive reactive power, enhance the power factor of the distribution system and lower transmission loss.
- Used on low-voltage electrical equipment. Compensate on site to enhance the power factor and the availability of the equipment.
- Used on low-voltage passive filter to eliminate harmonic wave, improve the power supply quality and enhance the power factor.
- Used on wind power generation, photovoltaic power generation and other new energy for reactive compensation and filtering.

Main specification

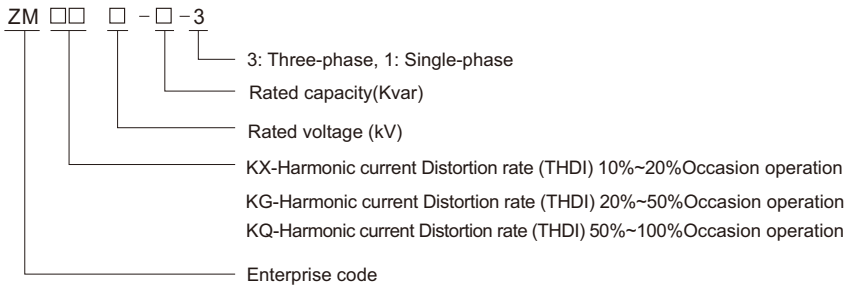
- Rated voltage: 0.1-1kV.
- Rated capacity: 1-60kvar.
- Dielectric loss: tgδ 0.002
- Temperature: -25~+50°C
- Altitude: 2000m.

Product features

- Qualitative material and advanced process are adopted. The product capacity is precise with low wastage and strong over-current ability.
- The temperature is low while the product is running.
- Expected life can be over 10 years with proper use.
- All-dry structure can prevent oil leakage and pollution.
- Dry fir-resistant material is stuffed inside the product.
- Different protections are built in, including overpressure, over temperature and over current.
- Products are reliable and with no potential hazard like cracking or burning.
- Various product structures can satisfy different purposes for different customers

Main technical data

Model	Rated Volt.(KV)	Rated Capacity(Kvar)	Rated Current(A)	Rated Capacity(μF)
ZMKX0.48-10-3	0.48	10	12.0	138.2
ZMKX0.48-15-3		15	18.0	207.3
ZMKX0.48-20-3		20	24.1	276.5
ZMKX0.48-25-3		25	30.1	345.6
ZMKX0.48-30-3		30	36.1	414.7
ZMKX0.48-40-3		40	48.1	552.9
ZMKG0.525-10-3	0.525	10	11.0	115.6
ZMKG0.525-15-3		15	16.5	173.3
ZMKG0.525-20-3		20	22.0	231.1
ZMKG0.525-25-3		25	27.5	288.9
ZMKG0.525-30-3		30	33.0	346.6
ZMKG0.525-40-3		40	44.0	462.2
ZMKQ0.69-10-3	0.69	10	8.4	66.9
ZMKQ0.69-15-3		15	12.6	100.3
ZMKQ0.69-20-3		20	16.7	133.8
ZMKQ0.69-25-3		25	20.9	167.2
ZMKQ0.69-30-3		30	25.1	200.7
ZMKQ0.69-40-3		40	33.5	267.6

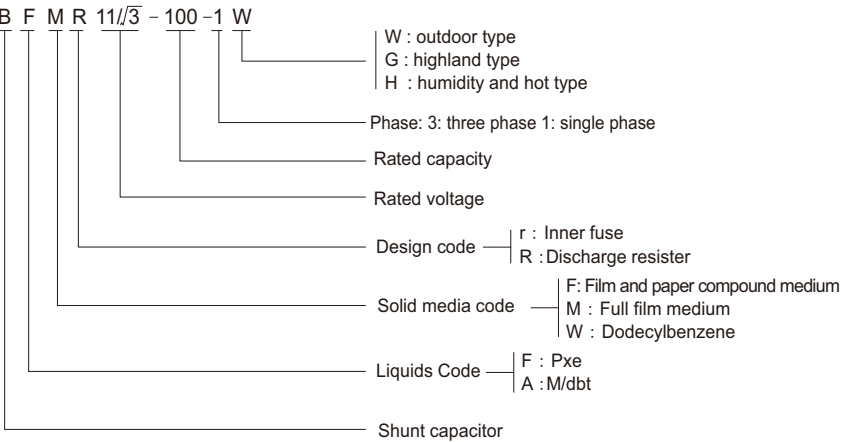


BAM(BFM)

High Voltage Shunt Capacitor(High Series)



Code and implication



Structure features

- Power capacitor is made up by case and core , the case is made up by thin steel sheet weld, output porcelain was welded on the case top ,the case beside was welded hook ,one side hood was put ground bolt.
- Power capacitor core is made up by some component and isolation together component is made by two piece aluminum foil centre clip film paper compound media or full film media press wind and staved .core 's component connect by fixed strand and shunt way ,so can satisfied different voltage and capacity
- The power capacitor with inside fuse ,every component have one fuse ,when any component was punctured ,other component will well and it can discharge ,so it can make the fuse off in very short time .you take off the faulty component, then the capacitor still work
- Three phase power capacitor is star connection
- Liquid medium was in power capacitor ,immerse liquid fill up the inside gap .and it take excellent electric physic property ,it has good solubility with other material

Application

High voltage shunt power capacitor mainly use in 50Hz or 60Hz Ac power system .improve power factor, reduce reactive power loss ,mend voltage quality ,plenitude elaborate generate power 's equipment and supply power equipment efficiency. it is national recommend save power products

Working conditions

- Altitude is not more than 1000m ,ambient temperature: -40/B ,B type is most temperature is +45
- Installation condition: there is no strong vibration, no harmful gas and vapor, no conductive or explosive dust
- Power capacitor will work in the good ventilate condition, it would not permit to work in sealing and no ventilate condition
- Power capacitor connection wire should take soft conductive wire ,the whole circuit connect well

Main Technical data

- Rated voltage: 6.3kV ,.6kV, 6.6/ $\sqrt{3}$ kV, 0.5kV, 11kV, 11/ $\sqrt{3}$ kV, 12kV, 12/ $\sqrt{3}$ kV, 9kV and so on.
- Rated capacity: 30~334kvar other voltage and capacity will make according to the client demanding.
- Capacity tolerance: -5%~+10%.
- Power loss tan : film and paper compound medium tan 0.08%, full film medium tan 0.05%.
- Withstand voltage: between power capacitor ,every pole can afford AC 2.15 times voltage or direct 4.3 times rated voltage ,it will over 10 s ,there is no puncture and flash.
- Dielectric level: 6KV 30kv 10kv 42kv testing AC ,it will over 1 min there is no puncture and flash
- Discharge property: the power capacitor with inside put discharge register . it can reduce the left voltage from $\sqrt{2}$ Un peak value to below 75V within 10 minute when the power is off .
- Max permit over voltage: 1.1 times rated voltage the most permit voltage would not more than 8 hours with in 24 hours, 1.15 time rated voltage ,the most permit over voltage would not not more than 30 minute within 24 hours 1.2time rated voltage would not more than 5 minute within 24 hours ,1.3 time rated voltage would not more 1 minute within 24 hours.
- Max permit over current : over current is not more than 3 time rated current ,it can work ,,if over current transition ,you should consider over voltage .capacity tolerance and harmonic affection would not more than 1.43 times rated current
- Confirm standard : GB/T 11024.1-2009 or IEC60871-1:2005

Main technical data

Model	Rated voltage(V)	Rated Capacity (kvar)	Rated Capacitance(F)	Rated Current(A)
BWF6.3-25-1W	6.3	25	2.006	3.986
BWF6.3-30-1W	6.3	30	2.406	4.762
BWF6.6/ $\sqrt{3}$ -30-1W	6.6/ $\sqrt{3}$	25	5.481	6.561
BWF6.3/ $\sqrt{3}$ -30-1W	6.3/ $\sqrt{3}$	30	6.577	7.873
BWF6.3/ 3-50-1W	6.3/ $\sqrt{3}$	50	10.96	13.12
BWF10.5-25-1W	10.5	25	0.722	2.38
BWF10.5-30-1W	10.5	30	0.886	2.857
BWF10.5-50-1W	10.5	50	1.444	4.762
BWF11/ $\sqrt{3}$ -30-1W	11/ $\sqrt{3}$	30	2.368	4.724
BWF11/ $\sqrt{3}$ -50-1	11/ $\sqrt{3}$	50	3.946	7.837
BFF6.3-30-1W	6.3	30	2.4	4.9
BFF6.3-50-1W	6.3	50	4.0	7.9
BFF6.3-100-1W	6.3	100	8.0	15.9
BFF6.3-200-1W	6.3	200	16.0	31.7
BFF6.3-300-1W	6.3	300	24.0	47.6
BFF6.3-334-1W	6.3	334	26.8	53.0
BFF10.5-50-1W	10.5	50	1.44	4.8
BFF10.5-100-1W	10.5	100	2.9	9.5
BFF10.5-150-1W	10.5	150	4.3	14.3
BFF10.5-200-1W	10.5	200	5.8	19.0
BFF10.5-300-1W	10.5	300	8.67	28.60
BFF10.5-334-1W	10.5	334	9.65	31.8
BFF11/ $\sqrt{3}$ -50-1W	11/ $\sqrt{3}$	50	3.95	7.87
BFF11/ $\sqrt{3}$ -100-1W	11/ $\sqrt{3}$	100	7.89	15.75

BAM(BFM)

High Voltage Shunt Capacitor(High Series)



Model	Rated voltage(V)	Rated Capacity (kvar)	Rated Capacitance(μF)	Rated Current(A)
BFF11/ $\sqrt{3}$ -150-1W	11/ $\sqrt{3}$	150	11.84	23.60
BFF11/ $\sqrt{3}$ -200-1W	11/ $\sqrt{3}$	200	15.78	31.5
BFF11/ $\sqrt{3}$ -300-1W	11/ $\sqrt{3}$	300	23.68	47.2
BFF11/ $\sqrt{3}$ -334-1W	11/ $\sqrt{3}$	334	26.36	52.6
BFF6.6/ $\sqrt{3}$ -50-1W	6.6/ $\sqrt{3}$	50	10.96	13.12
BFF6.6/ $\sqrt{3}$ -100-1W	6.6/ $\sqrt{3}$	100	21.9	26.24
BFF6.6/ $\sqrt{3}$ -150-1W	6.6/ $\sqrt{3}$	150	32.9	39.36
BFF6.6/ $\sqrt{3}$ -200-1W	6.6/ $\sqrt{3}$	200	43.8	52.48
BFF6.6/ $\sqrt{3}$ -300-1W	6.6/ $\sqrt{3}$	300	65.8	78.7
BFF6.6/ $\sqrt{3}$ -334-1W	6.6/ $\sqrt{3}$	334	73.2	87.6
BFM11-100-1W	11	100	2.63	9.1
BFM11-150-1W	11	150	3.95	13.6
BFM11-200-1W	11	200	5.26	18.2
BFM11-300-1W	11	300	7.89	27.3
BFM11-334-1W	11	334	8.79	30.4
BFM12-100-1W	12	100	2.2	8.33
BFM12-150-1W	12	150	3.3	12.5
BFM12-200-1W	12	200	4.4	16.7
BFM12-300-1W	12	300	6.64	25.0
BFM12-334-1W	12	334	7.39	27.8
BFM12/ $\sqrt{3}$ -100-1W	12/ $\sqrt{3}$	100	6.63	14.4
BFM12/ $\sqrt{3}$ -150-1W	12/ $\sqrt{3}$	150	9.95	21.7
BFM12/ $\sqrt{3}$ -200-1W	12/ $\sqrt{3}$	200	13.3	28.9
BFM12/ $\sqrt{3}$ -300-1W	12/ $\sqrt{3}$	300	19.9	43.3
BFM12/ $\sqrt{3}$ -334-1W	12/ $\sqrt{3}$	334	22.1	48.2
BFM12/ $\sqrt{3}$ -400-1W	12/ $\sqrt{3}$	400	26.54	57.74
BFM6.3-100-1W	6.3	100	8.0	15.9
BFM6.3-150-1W	6.3	150	12.0	23.8
BFM6.3-200-1W	6.3	200	16.0	31.7
BFM6.3-300-1W	6.3	300	24.0	47.6
BFM6.3-334-1W	6.3	334	26.8	53.0
BFM6.6-100-1W	6.6	100	7.3	15.2
BFM6.6-150-1W	6.6	150	11.0	22.7
BFM6.6-200-1W	6.6	200	14.6	30.3
BFM6.6-300-1W	6.6	300	22.0	45.5
BFM6.6-334-1W	6.6	334	24.4	50.6
BFM6.6/ $\sqrt{3}$ -100-1W	6.6/ $\sqrt{3}$	100	21.9	26.24
BFM6.6/ $\sqrt{3}$ -150-1W	6.6/ $\sqrt{3}$	150	32.9	39.36
BFM6.6/ $\sqrt{3}$ -200-1W	6.6/ $\sqrt{3}$	200	43.8	52.48
BFM6.6/ $\sqrt{3}$ -300-1W	6.6/ $\sqrt{3}$	300	65.8	78.7
BFM6.6/ $\sqrt{3}$ -334-1W	6.6/ $\sqrt{3}$	334	73.2	87.6
BFM11/ $\sqrt{3}$ -100-1W	11/ $\sqrt{3}$	100	7.89	15.75
BFM11/ $\sqrt{3}$ -150-1W	11/ $\sqrt{3}$	150	11.84	23.60
BFM11/ $\sqrt{3}$ -200-1W	11/ $\sqrt{3}$	200	15.78	31.5
BFM11/ $\sqrt{3}$ -300-1W	11/ $\sqrt{3}$	300	23.68	47.2
BFM11/ $\sqrt{3}$ -334-1W	11/ $\sqrt{3}$	334	26.36	52.6
BFF11-100-3W	11	100	2.63	5.25
BFF11-150-3W	11	150	3.95	7.87
BFF11-200-3W	11	200	5.26	10.5
BFF11-300-3W	11	300	7.90	15.75

Note: Other special specification models supply according to user requirements

Main technical data

Model	Rated voltage(V)	Rated Capacity (kvar)	Rated Capacitance(F)	Rated Current(A)
BFM11-100-3W	11	100	2.63	5.25
BFM11-150-3W	11	150	3.95	7.87
BFM11-200-3W	11	200	5.26	10.5
BFM11-300-3W	11	300	7.90	15.75
BFF12-100-3W	12	100	2.2	4.8
BFF12-150-3W	12	150	3.3	7.2
BFF12-200-3W	12	200	4.4	9.6
BFF12-300-3W	12	300	6.64	14.45
BFM12-100-3W	12	100	2.2	4.8
BFM12-150-3W	12	150	3.2	7.2
BFM12-200-3W	12	200	4.4	9.6
BFM12-300-3W	12	300	6.64	14.45
BAM11/ $\sqrt{3}$ -200-1W	11/ $\sqrt{3}$	200	15.78	31.5
BAM11/ $\sqrt{3}$ --334-1W	11/ $\sqrt{3}$	334	26.36	52.6
BAM12/ $\sqrt{3}$ -200-1W	12/ $\sqrt{3}$	200	13.3	28.9
BAM12/ $\sqrt{3}$ -334-1W	12/ $\sqrt{3}$	334	22.1	48.2
BAM12-200-1W	12	200	4.4	16.7
BAM12-334-1W	12	334	7.39	27.8
BAM10.5-200-1W	10.5	200	5.8	19.0
BAM10.5-334-1W	10.5	334	9.65	31.8

Note: Other special specification models supply according to user requirements

Ordering Information

- Power capacitor rated voltage choosing should consider net circuit voltage ,and consider power capacitor input can increase the voltage ,so choose the rated capacitor voltage less than 5% of net circuit voltage ;when power capacitor circuit have strand reactor ,capacitor terminal voltage will increase according to relative reactor radio .so when you choose the power capacitor rated voltage you should calculate the reactor ratio .
- Power capacitor is channel which harmonic is low resister .when the harmonic enter the power capacitor ,it make power capacitor to over current and over voltage. In addition power capacitor will make harmonic enlarge then will happen resonance ,it will effect electric net safe and it will shorten the power capacitor life ,so there is big harmonic condition, power capacitor will connect with reactor to use together
- When power capacitor cut off ,the surge current is hundred times of rated current .so choose power capacitor switch ,you should choose no puncture switch .it can restraint cut surge ,and connect reactor which has restraint .
- When the capacitor which has discharge resister inside cut off the power ,it can reduce the rated voltage from peak to below75V within 10 minute .if you need cut off the power the rated voltage from peak to below 50V,please notice it in the order
- The capacitor was used in circuit compensate ,150-200kvar is suitable in any place ,please notice the power capacitor and transformer would not mix install .it not permit use the same line fuse cut out avoiding no full phase wok which it make magnetic resonance to create over voltage and over current to damage the power capacitor and transformer
- Choosing protect operate over voltage surge arrester: power capacitor special surge arrester ,and it should put the centre of the power capacitor pole
- Choosing power capacitor special fuse cut out ,rated current is 1.42~1.5 time rated current which is better
- When power capacitor was connect with high voltage electromotor ,leading up the capacitor terminal voltage is high than rated voltage in order to protect the electromotor self exciting after cut off the power .so capacitor rated current is less than neuter current 90% of electromotor ,when the electromotor take Y/ connection way ,it is not permit which put the capacitor on the electromotor directly ,you should take special connection way
- When the power capacitor was use in more altitude 1000 or capacitor using in wet and hot place ,you should notice when you order it
- Special type or special requirement capacitor ,you should notice when you order it