CBB235 AT/CBB235Y AY SERIES

Features

- ■Used in AC filtering or power factor correction
- ■PP film design, good temperature characteristics
- ■Stable capacity
- ■Low ESR, high RMS current handing capabilities
- ■Overpressure disconnection device
- ■Self-healing property
- ■Aluminum case , filled with soft PU resin
- ■Three phase in one cylinder aluminum can

特点

- ■交流滤波或功率因数校正
- ■采用聚丙烯薄膜，温度特性好
- ■容值稳定，变化率小
- ■等效串联电阻小，承受较大的有效值电流
- ■过压力断开装置
- ■有自愈性
- ■铝壳，软树脂灌封
- ■三相电容器，封装在一个铝壳内

Applications

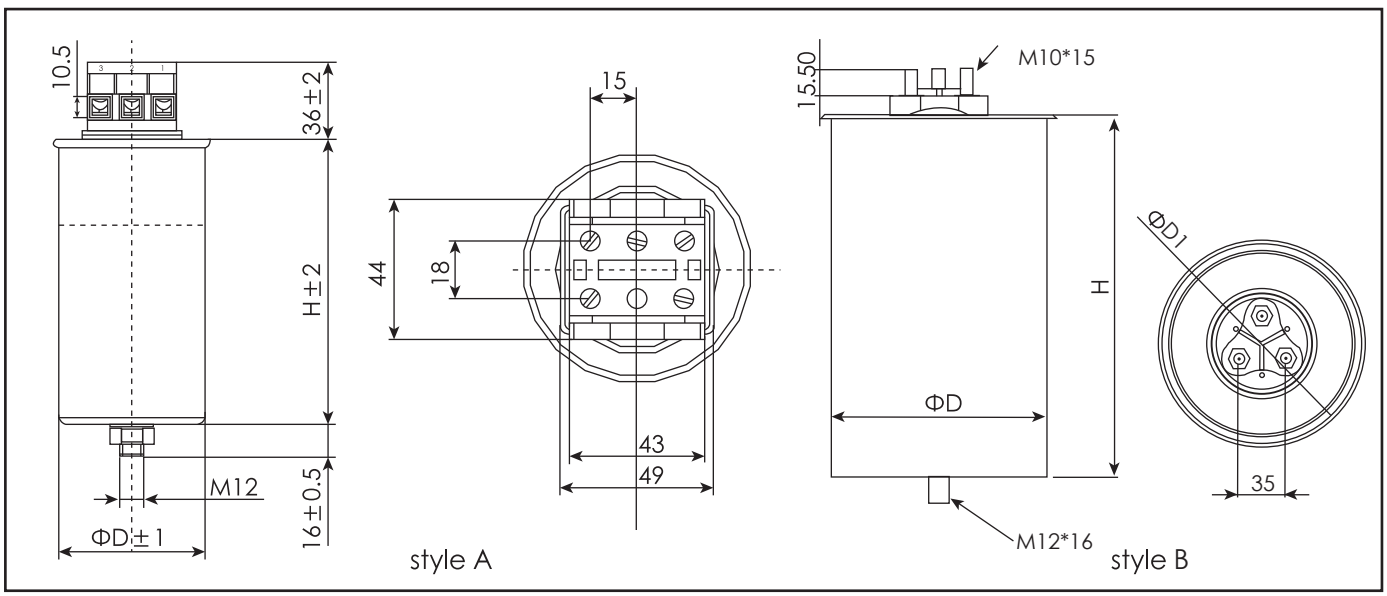
- ■Wind energy, Solar
- ■Power factor correction

应用场合

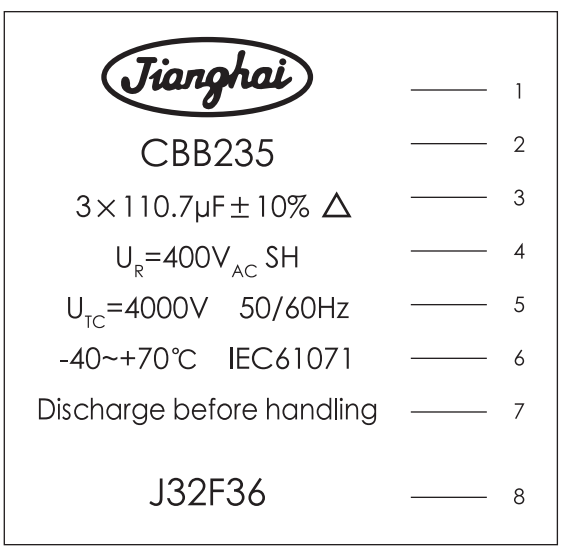
- ■风能，太阳能
- ■功率因数校正

外形图 Dimensions

Unit: mm



标识 Marking



NO.	项目 Item
1	商标 Brand
2	产品系列 Products series
3	容量和偏差 Capacitance and Tolerance
4	额定电压和自愈性 Rated voltage and Self-healing property
5	端子与铝壳电压U_{TC} Voltage Between Terminals and Case
6	温度范围 Temperature Range 引用标准 Reference Standard
7	安全警示 Safety warning
8	日期代码 Date code

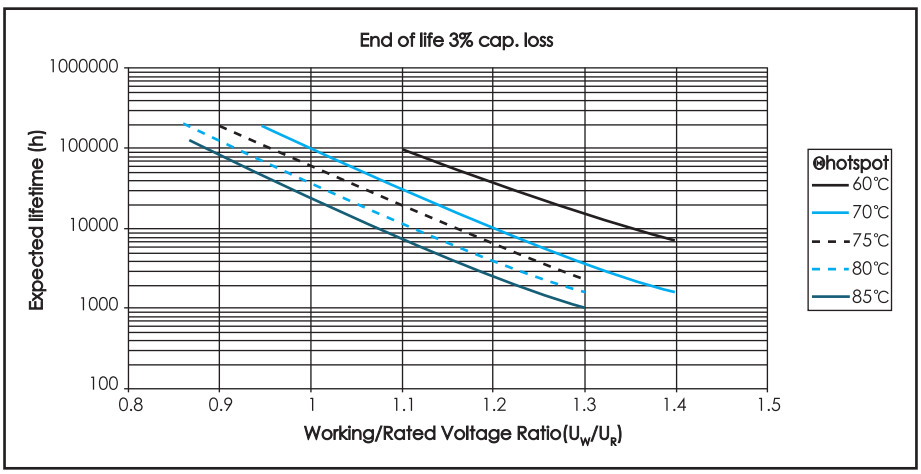
FILM

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性能特性 Specifications

项目 Item	特性 Characteristics
引用标准 Reference Standard	GB/T 17702 (IEC 61071) , IEC60831
气候类别 Climatic Category	40/85/56
工作温度范围 Operating Temperature Range	-40~+70℃ ($\Theta_{hotspot}$≤85℃)
存储温度范围 Storage Temperature Range	-40~+85℃
额定电压U_R Rated Voltage	230～690V_{AC}
电容量范围 Capacitance Range	3*20.3 ~ 3*335 μF
电容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)
端子与端子电压U_{TT} Voltage Between Terminals	2.15 U_N(V_{DC}), 10s(20 ℃)
端子与铝壳电压U_{TC} Voltage Between Terminals and Case	4000 V_{AC}, 10 s(20 ℃,50 Hz)
介质损耗角正切 Dielectric Dissipation Factor	0.0002
绝缘电阻 Insulation Resistance	⩾5000MΩ • μF (20℃, 100V_{DC}, 1min)
过电压 Over Voltage	1.1U_R (30% of on-load-duration)
	1.15U_R (30 min/day)
	1.2U_R (5 min/day)
	1.3U_R (1 min/day)
	1.5U_R (30 ms every time, 100ms/day)
最大电极扭矩 Max Torque of terminals	M5: 2 Nm, M6: 3 Nm, M8: 4 Nm, M10: 6 Nm
最大安装扭矩 Max Torque of installation	M12: 10 Nm
预期寿命 Life Expectancy	100000 hours (U_R, $\Theta_{hotspot}$=70℃)
失效率 Failure Rate	100 FIT

预期寿命曲线 Expected lifetime curve



警告 Cautions and warnings

■In case of dents of more than 1 mm depth or any other mechanical damage, capacitors must not be used at all.
电容器如有深度超过1毫米的凹痕或其他机械损伤不可以使用。
■To ensure the full functionality of the overpressure disconnector, elastic elements must not be hindered and a minimum space of 12 mm has to be kept above each capacitor.
为了保证过压力断路器的全部功能，每个电容器上方须有至少12毫米的空间，弹性元件不能被阻碍。
■Do not handle the capacitor before it is discharged.
在电容器放电之前，不能处置电容器。
■The threaded bottom stud of the capacitor has to be used for grounding. The maximum tightening torque is 12Nm
电容器的底部螺杆仅用于接地使用，最大扭矩12Nm。
■Do not use or store capacitor in corrosive atmosphere, in the dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phase / or phase and ground.
电容器不能用在或存储在腐蚀性环境。在多灰尘的环境里，要求定期维护和清洁，特别是电极端子，以避免相与相间或相与地之间有导电通路。
■Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.
电容器的寿命是有限的，最大工作寿命因使用条件的不同而不同。

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规格标准 Standard Ratings

Urms/U_N	C_R	P/N	Output	Irms	Î	dv/dt	D	H
(V_{AC})	(μF)	-	50Hz (Kvar)	50℃ (A)	(A)	(V/μS)	(mm)	(mm)
230/325	3×200.6	FCC2DAT207*L275*A1A	10.0	25.1	5021	25	86	275
	3×200.6	FCC2DAT207*P160*A1A	10.0	25.1	5021	25	116	160
	3×250.7	FCC2DAT257*L350*A1A	12.5	31.4	6276	25	86	350
	3×250.7	FCC2DAT257*P200*A1A	12.5	31.4	6276	25	116	200
	3×300.9	FCC2DAT307*L350*A1A	15.0	37.7	7531	25	86	350
	3×300.9	FCC2DAT307*P200*A1A	15.0	37.7	7531	25	116	200
	3×335.0	FCC2DAT337*P230*A1A	16.7	41.9	8384	25	116	230
400/560	3×66.3	FCC4AAT666*L200*A1A	10.0	14.4	2887	44	86	200
	3×82.9	FCC4AAT836*L200*A1A	12.5	18.0	3609	44	86	200
	3x99.5	FCC4AAT996*L275*A1A	15.0	21.7	4330	44	86	275
	3×110.7	FCC4AAT117*L275*A1A	16.7	24.1	4821	44	86	275
	3×110.7	FCC4AAT117*P160*A1A	16.7	24.1	4821	44	116	160
	3×132.6	FCC4AAT137*L275*A1A	20.0	28.9	5774	44	86	275
	3×132.6	FCC4AAT137*P200*A1A	20.0	28.9	5774	44	116	200
	3×165.8	FCC4AAT167*L275*A1A	25.0	36.1	7217	44	86	275
	3×165.8	FCC4AAT167*P200*A1A	25.0	36.1	7217	44	116	200
	3×198.9	FCC4AAT197*T200*A1A	30.0	43.3	8661	44	136	200
440/625	3×46	FCC4EAT466*L160*A1A	8.3	10.9	2178	48	86	160
	3×68.5	FCC4EAT686*L200*A1A	12.5	16.4	3280	48	86	200
	3×77.0	FCC4EAT776*L200*A1A	14.1	18.5	3700	48	86	200
	3×77.0	FCC4EAT776*P160*A1A	14.1	18.5	3700	48	116	160
	3×82.2	FCC4EAT826*L200*A1A	15.0	19.7	3937	48	86	200
	3×92.6	FCC4EAT926*P200*A1A	16.9	22.2	4435	48	116	200
	3×103.0	FCC4EAT107*L275*A1A	18.8	24.7	4934	48	86	275
	3×103.0	FCC4EAT107*P160*A1A	18.8	24.7	4934	48	116	160
	3×109.0	FCC4EAT107*L275*A1A	20.0	26.2	5249	48	86	275
	3×109.0	FCC4EAT107*P160*A1A	20.0	26.2	5249	48	116	160
	3×123.3	FCC4EAT127*L275*A1A	22.5	29.5	5905	48	86	275
	3×123.3	FCC4EAT127*P200*A1A	22.5	29.5	5905	48	116	200
	3×137.0	FCC4EAT137*L275*A1A	25.0	32.8	6561	48	86	275
	3×137.0	FCC4EAT137*P200*A1A	25.0	32.8	6561	48	116	200
	3×154.0	FCC4EAT157*L275*A1A	28.1	36.9	7375	48	86	275
	3×154.0	FCC4EAT157*P200*A1A	28.1	36.9	7375	48	116	200
	3×164.4	FCC4EAT167*L350*A1A	30.0	39.4	7873	48	86	350
	3×164.4	FCC4EAT167*P200*A1A	30.0	39.4	7873	48	116	200
	3×180.9	FCC4EAT187*T200*A1A	33.0	43.3	8661	48	136	200
480/680	3×40	FCC4JAT406*L200*A1A	8.7	10.5	2093	52	86	200
	3×60	FCC4JAT606*L275*A1A	13.0	15.6	3127	52	86	275
	3×80	FCC4JAT806*P200*A1A	17.4	20.9	4186	52	116	200
	3×120	FCC4JAT127*P275*A1A	26.0	31.3	6255	52	116	275
530/750	3×38.5	FCC5DAT386*L200*A1A	10	11.0	2199	57	86	200
	3×48.1	FCC5DAT486*L200*A1A	12.5	13.7	2749	57	86	200
	3×53.1	FCC5DAT536*L200*A1A	13.8	15.2	3035	57	86	200
	3×57.7	FCC5DAT576*L230*A1A	15.0	16.5	3299	57	86	230
	3×77.0	FCC5DAT776*L275*A1A	20.0	22.0	4399	57	86	275
	3×77.0	FCC5DAT776*P200*A1A	20.0	22.0	4399	57	116	200
	3×96.2	FCC5DAT966*L350*A1A	25.0	27.5	5499	57	86	350
	3×96.2	FCC5DAT966*P200*A1A	25.0	27.5	5499	57	116	200
	3×115.4	FCC5DAT117*P230*A1A	30.0	33.0	6598	57	116	230
	3×115.4	FCC5DAT117*T200*A1A	30.0	33.0	6598	57	136	200
	3×138.2	FCC5DAT137*P275*A1A	35.9	39.5	7896	57	116	275
	3×138.2	FCC5DAT137*T230*A1A	35.9	39.5	7896	57	136	230
	3×142.8	FCC5DAT147*P275*A1A	37.1	40.8	8160	57	116	275
	3×142.8	FCC5DAT147*T230*A1A	37.1	40.8	8160	57	136	230
660/930	3×20.3	FCC6GAT206*L200*A1A	8.33	7.3	1457	72	86	200
	3×24.4	FCC6GAT246*L200*A1A	10.0	8.7	1750	72	86	200
	3×30.4	FCC6GAT306*L230*A1A	12.5	10.9	2187	72	86	230
	3×36.5	FCC6GAT366*M230*A1A	15.0	13.1	2624	72	96	230
	3×40.7	FCC6GAT406*M230*A1A	16.7	14.6	2922	72	96	230
	3×48.7	FCC6GAT486*L350*A1A	20.0	17.5	3499	72	86	350
	3×55.8	FCC6GAT556*L350*A1A	22.9	20.0	4007	72	86	350
690/980	3×27.9	FCC6KAT276*L230*A1A	12.5	10.5	2092	75	86	230
	3×33.4	FCC6KAT336*M230*A1A	15.0	12.6	2510	75	96	230
	3×44.6	FCC6KAT446*L350*A1A	20.0	16.7	3347	75	86	350
	3×55.7	FCC6KAT556*L350*A1A	25.0	20.9	4184	75	86	350

可根据客户要求定制。Customer products are available on request.