

中压电抗器 Medium voltage reactor

■ 产品概述 (Product Introduction)

干式铁芯串联电抗器是电力系统无功补偿装置的重要配套设备。电力电容器与干式铁芯电抗器串联后，能有效地抑制电网中的高次谐波，限制合闸涌流及操作过电压，改善系统的电压波形，提高电网功率因数，对电力电容器及其它电力设备的安全运行起到了较大的作用。

Dry type iron core series reactor is an important supporting equipment of reactive power compensation device in power system. After the power capacitor and dry-type iron core reactor are connected in series, it can effectively restrain the high-order harmonics in the power grid, limit the switching inrush current and switching overvoltage, improve the voltage waveform of the system, and improve the power factor of the power grid, which plays a great role in the safe operation of power capacitors and other power equipment.



■ 技术规格 (Technical Specifications)

额定电压 Rated voltage	3kV、6kV、10kV，高压型号可达66kV Common are 3kV, 6kV, 10kV, and the high-voltage model can reach 66kV
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额定电流 Rated current	50A，具体根据容量调整 50A, Specific adjustment according to capacity
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阻抗电压 Impedance voltage	需符合GB1094、GB10229国家标准 it shall comply with GB1094 and gb10229 national standards
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过载能力 Overload capacity	1.35倍额定电流下可连续运行 continuous operation under 1.35 times of rated current
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电抗率 Reactance rate	1%、2%、6%、7%、14%
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串联电抗器在谐波次数与电抗率配套使用时，谐波电流标准值大约在：20%左右。如谐波电流超标或偏大(如：中频……等负载时)需按非标定制。

When the series reactor is used together with the harmonic number and reactance rate, the standard value of harmonic current is about 20%. If the harmonic current exceeds the standard or is too large (for example, if the load is medium frequency...), it needs to be customized according to non-standard.

根据串联电抗器的应用性能定制(如有特殊要求应事先声明)
Customized according to the application performance of series reactor (if there are special requirements, it shall be declared in advance)

海拔不超过 1000m The altitude shall not exceed 1000m.

环境温度-25~+45C，相对湿度不超过90%
The ambient temperature is -25~+45c, and the relative humidity is not more than 90%.

电源电压的波形近似于正弦波 The waveform of power supply voltage is similar to sine wave.

周围无有害气体，无易燃易爆物品
The waveform of power supply voltage is similar to sine wave.

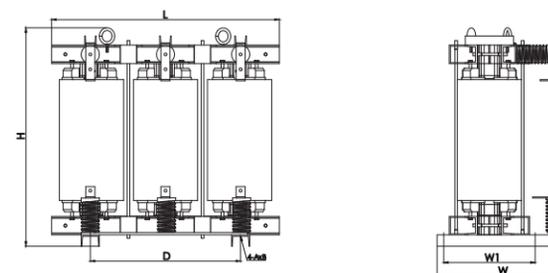
周围环境应有良好的通风条件，如装在柜内，应加装通风设备
The surrounding environment should have good ventilation conditions. If installed in the cabinet, ventilation equipment should be installed.

■ 执行标准

Applicable Standards

- DL462-92 《高压并联电容器用串联电抗器订货技术条件》
- IEC289-88 《电抗器》 3.GB10229-88 《电抗器》
- JB5346-98 《电抗器》

■ 产品尺寸图 (Product Size)



系统电压6KV，串6%电抗器参数表

规格型号	电抗率	容量 (kVar)	6KVAC时		外形尺寸 (mm)					
			输出容量(Kvar)	最大电流(A)	A	B	H	C	F	安装孔
GR6- 7.2KV- 1 00S AX	6%	100	74	8.03	655.00	320.00	630.00	410.00	220.00	φ14
GR6- 7.2KV- 150S AX	6%	150	110.8	12.03	700.00	330.00	680.00	440.00	240.00	φ14
GR6- 7.2KV- 200S AX	6%	200	147.8	16.05	700.00	330.00	680.00	440.00	240.00	φ14
GR6- 7.2KV- 300S AX	6%	300	221.6	24.06	760.00	350.00	730.00	480.00	240.00	φ14
GR6- 7.2KV- 4 00S AX	6%	400	295.7	32.09	790.00	360.00	820.00	500.00	260.00	φ14
GR6- 7.2KV- 450S AX	6%	450	332.1	36.08	790.00	360.00	820.00	500.00	260.00	φ14
GR6- 7.2KV- 500S AX	6%	500	369.5	40.10	820.00	380.00	870.00	520.00	260.00	φ14
GR6- 7.2KV- 600S AX	6%	600	443.3	48.11	820.00	380.00	870.00	520.00	280.00	φ14
GR6- 7.2KV- 750S AX	6%	750	554.1	60.14	820.00	380.00	880.00	520.00	280.00	φ14
GR6- 7.2KV- 900S AX	6%	900	664.9	72.17	880.00	380.00	930.00	560.00	280.00	φ14
GR6- 7.2KV- 1000S AX	6%	1000	738.6	80.35	880.00	400.00	950.00	560.00	300.00	φ14
GR6- 7.2KV- 1200S AX	6%	1200	886.5	96.23	910.00	400.00	955.00	580.00	300.00	φ14
GR6- 7.2KV- 1500S AX	6%	1500	1108.2	120.28	1015.00	420.00	1060.00	650.00	300.00	φ14
GR6- 7.2KV- 1800S AX	6%	1800	1329.8	144.34	1045.00	440.00	1080.00	670.00	300.00	φ14
GR6- 7.2KV- 2400S AX	6%	2400	1773	192.45	1090.00	490.00	1180.00	700.00	350.00	φ14

系统电压10KV，串6%电抗器参数表

规格型号	电抗率	容量 (kVar)	6KVAC时		外形尺寸 (mm)					
			输出容量(Kvar)	最大电流(A)	A	B	H	C	F	安装孔
GR6- 12KV- 100S AX	6%	100	74	4.82	715	320	680	450	220	φ14
GR6- 12KV- 150S AX	6%	150	110.8	7.22	745	330	680	470	240	φ14
GR6- 12KV- 200S AX	6%	200	147.8	9.63	775	340	740	490	250	φ14
GR6- 12KV- 300S AX	6%	300	221.6	14.43	805	350	790	510	240	φ14
GR6- 12KV- 400S AX	6%	400	295.7	19.25	820	360	820	520	260	φ14
GR6- 12KV- 450S AX	6%	450	332.1	21.65	820	360	820	520	260	φ14
GR6- 12KV- 500S AX	6%	500	369.5	24.06	850	380	870	540	260	φ14
GR6- 12KV- 600S AX	6%	600	443.3	28.87	850	380	880	540	280	φ14
GR6- 12KV- 750S AX	6%	750	554.1	36.08	850	380	880	540	280	φ14
GR6- 12KV- 900S AX	6%	900	664.9	43.30	895	380	930	570	280	φ14

■ 成品识别码 (Product Identification Code)

GR	-	0037	-	1M73	-	0.4SAL
中压电抗器 Medium voltage reactor		额定电流 Rated Current		电感量 Inductance		0.4:Working Voltage 0.2=220V,0.4=380V,0.7=690V,1.1=1140V S: D=Single Phase Reactor S=Three Phase Reactor C: C=Copper A:Aluminium