



DC-LINK 电容器 金属方壳式系列

DC-LINK CAPACITOR
METAL SQUARE SHELL SERIES

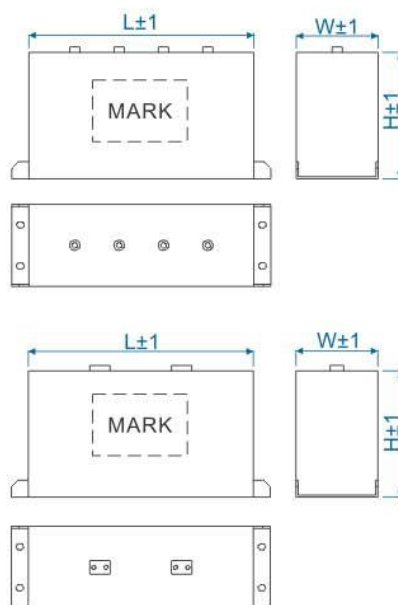
MKP-L

采用耐温型金属化聚丙烯薄膜结构，铝壳或不锈钢外壳、阻燃环氧树脂封装。具有承受纹波电流能力强、峰值电流高、等效串联电阻小、寿命长等特点。广泛应用于风电、光伏、逆变电源、大型开关电源、感应加热设备及UPS等各类电力电子设备直流环节部分中作直流支撑、储能滤波电容使用。

The products are made of temperature-resistant metalized polypropylene, and enveloped with aluminum case or stainless steel case and flame-resistant epoxy resin. They have the characteristics of high ripple current, high peak current, low ESR, long lifetime, etc. Widely used in wind power, solar power, inversion power, big switch power supply, induction heating machine, UPS and other kinds of electronic equipments DC link part for DC support, energy storage and filter.



引用标准 Reference standard	GB/T 17702、IEC 61071
气候类别 Climatic category	40 / 85 / 21
额定电压 Rated voltage	400VDC ~ 2000VDC
容量范围 Capacitance range	1000 μ F ~ 20000 μ F
容量偏差 Capacitance tolerance	$\pm 5\%$ (J)、 $\pm 10\%$ (K)
耐电压 Voltage proof	
极间 between terminals	$1.5 \cdot U_n(\text{VDC})/60\text{S}$
极壳 between terminal and case	$2 \cdot U_i + 1000(\text{VAC})/60\text{S}$
绝缘电阻 Insulation resistance(20°C)	$\geq 5000\text{S}(100\text{VDC}, 60\text{S})$
电压爬升率 Pulse rise time (dv/dt)	$\geq 10\text{V}/\mu\text{S}$

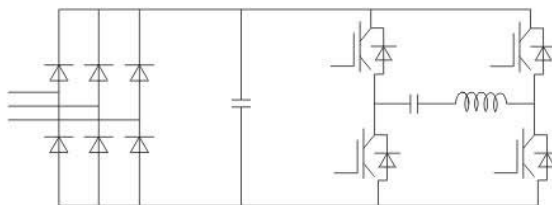


常用规格 Dimension

Unit : mm

Rated voltage	Rated cap.	L	W	H
800VDC	3000 μ F	330	120	185
	4500 μ F	330	120	245
	6000 μ F	330	120	310
	10000 μ F	400	120	375
1000VDC	2000 μ F	330	120	185
	3000 μ F	330	120	245
	4000 μ F	330	120	310
	8000 μ F	330	230	310
1200VDC	10000 μ F	400	230	310
	1400 μ F	330	120	185
	2000 μ F	330	120	245
	3000 μ F	330	120	310
2000VDC	4000 μ F	330	230	245
	1300 μ F	330	120	310
	3000 μ F	400	230	310

典型线路图
Typical circuit



C1:DC-LINK电容
DC-LINK capacitor