



DCLJ2箱式大容量直流支撑电容器

DC-LINK CAPACITOR __ DCLJ2 (C30 SERIES)

主要特点

- 可承受高有效值电流
- 可承受高峰值电流
- 自感低
- 可靠性高，使用寿命长
- 无极性介质

应用领域

- 静态无功发生器SVG
- 柔性直流输电
- 风电变流器
- 大功率逆变焊机

Highlight Features

- High Irms rating
- High Ipeak rating
- Low self-inductance
- High reliability and life expectancy
- Non-polar

Applications

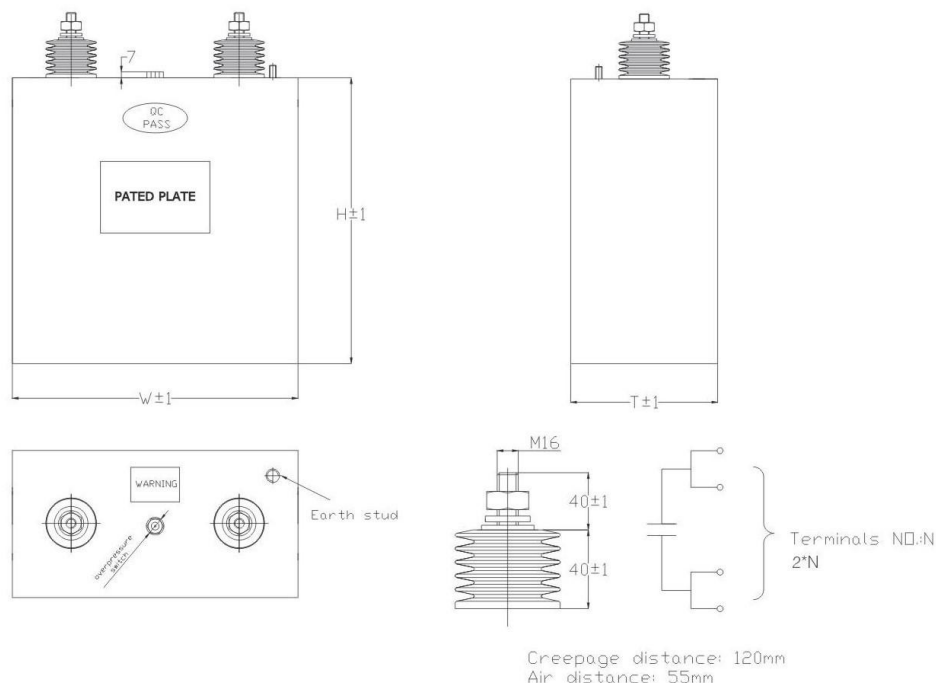
- Static reactive power generator (STATCOM)
- HVDC
- Wind power converter
- High power welding machine



技术参数 Parameters

容量范围 Rated Capacitance	100μF ~ 10000μF (25°C)
额定电压 Rated Voltage	600VDC ~ 5000VDC
容量偏差 Tolerance	± 10% (standard), ±5% (upon request)
电介质 Dielectric	Metallized polypropylene, Segmented MKP (upon request)
介质损耗 Dissipation factor	Tan d ≤ 0.0002 (100Hz , 25°C)
时间常数 Insulation resistor(RC)	≥ 20,000s (Un , 25°C)
运行温度 Operating temperature (T _{min} /T _{max})	-40°C ~ +85°C
储存温度 Storage temperature (T _s)	-40°C ~ +85°C
海拔高度 Altitude	≤ 2000m
预期寿命 Life expectancy	100,000 hours at Un and Ths ≤ 70°C
极间耐压 Test voltage between terminals	1.5 U _{NDC} / 10s at 25°C
极壳耐压 Test voltage terminal to case	U _{NDC} ≤ 1500Vdc, 3000Vac/10s , at 50Hz 25°C U _{NDC} > 1500Vdc, (√2U _{NDC} +1000)Vac/10s, at 50Hz 25°C
过电压 Over voltage	1.1U _{NDC} (30% of on-load-duration) 1.15U _{NDC} (30 min / day) 1.2U _{NDC} (5 min / day) 1.3U _{NDC} (1 min / day)
结构 Construction	Dry, Filling with epoxy resin, UL94V-0,Antiflaming,Non-inductive
外壳 Case	304 stainless steel case
参考标准 Reference standards	IEC61071-2007, UL94V-0, GB/T17702-2013

外观尺寸 Outline Drawing



常用规格选型表 General Specifications Table

规格型号 Specification	Un	Cn	W	T	H	ESR	I _{max}	R _{th}	Terminal	产品代码 Code
	VDC	μF	mm	mm	mm	mΩ	A	°C/W	Pcs	
DCLJ2SY800-2500	800	2500	200	130	220	0.25	200	0.67	2	I0800L2501UJN6RYU3N
DCLJ2SY1200-60	1200	60	180	125	80	0.40	90	2.10	2	I1200L0600UJN6RYU3N
DCLJ2SY1200-4000	1200	4000	350	125	260	1.00	350	0.23	8	I1200L4001UJN6RYU3N
DCLJ2SY1250-420	1250	420	200	130	85	0.60	250	1.00	2	I1250L4200UJM6RYU3N
DCLJ2SY1250-500	1250	500	175	155	95	0.60	200	1.00	2	I1250L5000UJM6RYU3N
DCLJ2SY2000-320	2000	320	250	130	130	3.00	65	1.18	2	I2000L3200UKN6RYU3N
DCLJ2SY 2200-750	2200	750	250	75	455	0.40	100	3.20	2	I2200L7500UKN6RYU3N
DCLJ2SY 2200-1000	2200	1000	250	90	455	0.36	130	2.90	2	I2200L1001UKN6RYU3N
DCLJ2SY 2200-1600	2200	1600	250	175	455	0.32	200	2.70	4	I2200L1601UKN6RYU3N
DCLJ2SY 2200-2000	2200	2000	250	200	455	0.29	220	2.10	2	I2200L2001UKN6RYU3N
DCLJ2SY 2200-2500	2200	2500	370	300	300	0.20	340	0.42	6	I2200L2501UMM6RYU3N
DCLJ2SY 2200-4500	2200	4500	370	300	380	0.12	550	0.42	6	I2200L4501UMM6RYU3N
DCLJ2SY 2200-6000	2200	6000	530	230	450	0.12	540	0.65	4	I2200L6001UIM6RYU3N
DCLJ2SY 2200-6800	2200	6800	350	340	570	0.20	900	0.12	8	I2200L6801UIM6RYU3N
DCLJ2SY 2200-8200	2200	8200	580	503	255	0.35	700	0.17	10	I2200L8201UIM6RYU3N
DCLJ2SY 2200-10000	2200	10000	588	270	570	0.08	700	0.17	8	I2200L1002UMM6RYU3N
DCLJ2SY 2800-2000	2800	2000	400	170	520	0.7	150	0.5	3	I2800L2001UIM6RYU3N
DCLJ2SY 2800-9000	2800	9000	635	175	1085	0.1	700	0.23	8	I2800L9001UMM6RYU3N
DCLJ2SY 3100-11000	3100	11000	700	265	1060	0.1	750	0.28	8	I3100L1102UMM6RYU3N
DCLJ2SY 3300-2000	3300	2000	710	230	340	0.39	265	0.25	4	I3300L2001UMM6RYU3N
DCLJ2SY 3500-1200	3500	1200	340	180	460	0.25	350	0.67	2	I3500L1201UMM6RYU3N
DCLJ2SY 4400-2500	4400	2500	590	275	765	0.4	100	2.4	4	I4400L2501UMM6RYU3N
DCLJ2SY 4400-8000	4400	8000	646	540	1000	0.09	0.13	0.13	8	I4400L8001UMM6RYU3N
DCLJ2SY 4600-500	4600	500	360	150	450	0.7	200	0.75	2	I4600L5000UMM6RYU3N
DCLJ2SY 6000-120	6000	120	250	175	285	1.5	50	3.5	4	I6000L1200UMM6RYU3N

注：特殊规格，可按客户需求定制。

Note: Customized products are available upon request.