



## DCLJC电动汽车专用电容（定制品）

### DC-LINK CAPACITOR \_\_ DCLJC (CUSTOM DESIGN)

#### 主要特点

- (1) PPS塑料外壳，耐高温，耐腐蚀，高阻燃材料；
- (2) 母排连接，环氧树脂灌注，气密性好，容量衰减低；
- (3) 高纹波电流承受能力；
- (4) 容量大、体积小、耐压高，可靠性高。
- 产品通过AEC-Q200实验、2000h耐久性实验和双85实验认证。

#### 应用领域

- 电动大巴
- 电动物流车
- 电动汽车

#### Highlight Features

- PPS plastic case, thermostability, anticorrosion, highly combustion-retardant material.
- Busbar connection, Epoxy resin filling, Good air-tightness, Low capacitance attenuation.
- Withstands high ripple current.
- High capacitance, small volume, low self-inductance, high pressure resistant, high reliability.

#### Applications

- Electric Bus
- Electric logistics vehicle
- Electric vehicle



#### 技术参数 Parameters

容量范围 Rated Capacitance	100 $\mu$ F~1000 $\mu$ F (25°C)
额定电压 Rated Voltage	450 VDC~900 VDC
容量偏差 Tolerance	$\pm$ 10% (standard), $\pm$ 5% (upon request)
电介质 Dielectric	Metallized polypropylene film
介质损耗 Dissipation factor of dielectric	Tan d $\leq$ 0.0002 (100Hz, 25°C)
极间耐压 Test voltage between terminals	1.5 U <sub>NDC</sub> / 10s at 25°C
极壳耐压 Test voltage terminal to case	3000Vac/10s, at 50/60Hz, 25°C
过电压 Over voltage	1.1U <sub>NDC</sub> (30% of on-load-duration) 1.15U <sub>NDC</sub> (30 min / day) 1.2U <sub>NDC</sub> (5 min / day) 1.3U <sub>NDC</sub> (1 min / day)
运行温度 Operating temperature (T <sub>mp</sub> /T <sub>max</sub> )	-40°C~+105°C
核心温度 Hotspot temperature (Ths)	$\leq$ +105°C
储存温度 Storage temperature (T <sub>s</sub> )	-40°C~+85°C
运行相对湿度 Operating humidity	$\leq$ 95%
海拔高度 Altitude	$\leq$ 3000m
预期寿命 Life expectancy	50,000 hours at Un and Ths=85°C
平均失效率 Failure rate	<100Fit
灌注料 Filling material	Dry, Filling with epoxy resin, UL94V-0, Antiflaming, Non-inductive
外壳 Case	Plastic case
参考标准 Reference standards	IEC61071-2007, UL94V-0, GB/T17702-2013

### 常用规格选型表 General Specifications Table

规格型号 Specification	Un	Cn	W	T	H	ESR	I <sub>rms</sub> 60°C	R <sub>th</sub>	产品代码 Code
	VDC	μF	mm	mm	mm	mΩ	A	°C/W	
DCLJCSY450-200	450	200	150	45	70	0.8	85	3.0	I0450L2000UKM2RYU3N
DCLJCSY450-330	450	330	226	66	42	1.0	85	1.5	I0450L3300UJM6RYU3N
DCLJCSY 450-600	450	600	180	60	60	0.6	160	1.5	I0450L6000UKM2RYU3N
DCLJCSY500-600	500	600	200	60	80	0.8	150	2.5	I0500L6000UKM2RYU3N
DCLJCSY500-750	500	750	197	77	57	0.5	140	2.5	I0500L7500UKM2RYU3N
DCLJCSY500-950	500	950	190	88	80	0.25	250	1.65	I500L9500UJN2RYU3N
DCLJCSY600-450	600	450	180	60	60	0.60	220	1.50	I0600L4500UJM2RYU3N
DCLJCSY600-600	600	600	225	118	47	1.0	85	2.4	I0600L6000UKM2RYU3N
DCLJCSY800-440	800	440	200	60	80	0.5	150	2.5	I0800L4400UJM2RYU3N
DCLJCSY800-600	800	600	198	79	90	0.8	140	2.2	I0800L6000UJM2RYU3N
DCLJCSY900-110	900	110	184	83.4	49.7	0.4	110	2.77	I0900L1100UKM2RYU3N

注：特殊规格，可按客户需求定制。  
Note: Customized products are available upon request.

