



DC LINK CAPACITOR - 600 SERIES



DC-link capacitors are used to minimize ripple current and voltage transients, and hence reduce the power quality disturbance to the grid network

Technical Specification

Construction	
Type	Dry, Self-Healing
Casing	Aluminum Can
Dielectric	Bi-Axially Oriented Polypropylene
Encapsulation/Impregnation	Polyurethanic Resin Oven Cured Flame Retardant

Electrical Performance	
Rated Voltage (UN)	300 / 600 / 700 Vdc
Temperature Category	-25° C to +85° C
Capacitance Tolerance	-10% / +10%
Dielectric Loss Factor	< 2 x 10 ⁻⁴
Testing Voltage Between Terminals	1.5 U _N For 10s
Testing Voltage Between Terminals and Container	2.0 kV For 10s
Statistical Life Expectancy	> 100,000 Operating Hours
Standards	IEC 61071-1 , IEC61881-1

Installation	
Terminal Arrangements	Screw Terminals M8
Fixing	Screw Terminals M12
Screw Torque	M8 < 4 Nm ; M12 < 15Nm
Minimum Installation Clearance	50mm Between Top of Capacitor to Enclosure; 50mm between units

Safety Features	
Safety Device	Overpressure Interruptor

603 Series

Product Code	Capacitance (µF)	Vdc (V)	I _{max} (A)	ESR (mΩ)	OD (mm)	H (mm)	Weight (kg)
603NELCO0500001	500.0	300.0	20.0	2.8	120.0	110.0	0.8
603NELCO1000002	1000.0	300.0	40.0	3.0	120.0	210.0	1.6

606 Series

Product Code	Capacitance (µF)	Vdc (V)	I _{max} (A)	ESR (mΩ)	OD (mm)	H (mm)	Weight (kg)
606NELCO0120001	120.0	600.0	5.0	3.8	86.0	75.0	0.4
606NELCO0160001	160.0	600.0	7.0	3.4	86.0	110.0	0.6
606NELCO0240001	240.0	600.0	10.0	2.8	100.0	110.0	0.7
606NELCO0240002	240.0	600.0	10.0	2.9	86.0	135.0	0.8
606NELCO0320001	320.0	600.0	15.0	2.6	120.0	110.0	0.8
606NELCO0320002	320.0	600.0	15.0	2.7	86.0	210.0	1.0
606NELCO0480002	480.0	600.0	20.0	2.5	100.0	210.0	1.2
606NELCO0640002	640.0	600.0	30.0	1.8	120.0	210.0	1.6

607 Series

Product Code	Capacitance (µF)	Vdc (V)	I _{max} (A)	ESR (mΩ)	OD (mm)	H (mm)	Weight (kg)
607NELCO0090001	90.0	700.0	5.0	3.3	60.0	75.0	0.4
607NELCO0125001	125.0	700.0	7.0	3.0	86.0	110.0	0.5
607NELCO0180002	180.0	700.0	10.0	2.2	60.0	135.0	0.6
607NELCO0185001	185.0	700.0	10.0	2.5	100.0	110.0	0.6
607NELCO0245001	245.0	700.0	15.0	2.3	120.0	210.0	0.7
607NELCO0250002	250.0	700.0	15.0	2.2	86.0	210.0	0.9
607NELCO0370002	370.0	700.0	20.0	1.7	100.0	210.0	1.0
607NELCO0490002	490.0	700.0	30.0	1.5	120.0	210.0	1.2

