

Basic product type	Nominal power [kVA]	Nominal current [A _{RMS}]	Peak current, time unlimited [A _{RMS}]
EC-C1200-450-L+MC70+AFE70+UG70	50	70	70
EC-C1200-450-L+MC120+AFE120+UG120	100	120	120
EC-C1200-450-L+MC180+AFE180+UG180	150	180	180
EC-C1200-450-L+MC240+AFE240+UG240	200	240	240
EC-C1200-450-L+MC300+AFE300+UG300	250	300	300
EC-C1200-450-L+MC350+AFE350+UG350	300	350	350

Table 2 Device current and power ratings for +MC, +AFE and +UG options

SPECIFICATIONS

DC connection		58...150 Hz: 1 G
DC link voltage range	0-850 V _{DC}	5...24.9 Hz: ±1.6 mm 24.9...100 Hz: 4G (sinusoidal)
DC link nominal voltage	750 V _{DC}	Mechanical shock
Nominal current	410A total (65 °C coolant, 8 kHz interleaved switching frequency)	50 G ISO 16750-3 4.2.2 Test for devices on rigid points on the body and on the frame Notes: –acceleration: 500 m/s ² ; –duration: 6 ms; –number of shocks: 10 per test direction (x, y and z axis, both directions, 6x directions in total).
Inductance per inductor	165 µH (at nominal current)	30 G, CEI EN 61373 category 2
Mechanical		Connections
Dimensions (WxHxL, mm)	403x147x262 403x147x287 (with +CG1 option)	Coolant connection
Weight	23 kg	2 x G3/4" coolant hose connector
Cooling		HV cable recommended type
Cooling liquid	Plain water with appropriate corrosive inhibitor (max. 50 % corrosive inhibitor)	HUBER+SUHNER Radox Elastomer S screened automotive cable www.hubersuhner.com
Cooling liquid glycol type	Ethylene glycol (Glystantin G48 recommended)	HV cable cross section
Minimum cooling liquid flow	10 l/min	≤70 mm ² (Cu) (M25 cable gland) ≤120 mm ² (Cu) (M32 cable gland)
Maximum continuous pressure	2 bar	HV cable glands (with +CG1)
Pressure loss	40 mbar with 10l/min (+25°C coolant)	3x Pfitsch blueglobe TRI bg 225ms tri 3x Pfitsch blueglobe TRI bg 232ms tri 2x M32 plugs Configurable cable glands, see Table 3
Cooling liquid temperature	-40°C ...+65°C	HV cable lug size
		35-8, 50-8, 70-8, 95-8, 120-8