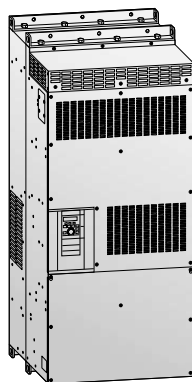


Technical details FR-CC2-H



The converter module FR-CC2-H is a diode bridge to convert AC voltage to DC voltage. It is mainly made to provide DC voltage to FR-A or FR-F842 DC feed Inverter.

But can also be used for DC Bus connected Inverter systems, to share energy.

The FR-CC2 include build in inrush circuit, capacitors and DC choke. Harmonics can be reduced by using integrated 12 Pulse Bridge. Higher power can be reached by paralleling FR-CC2 units. The separation of the inverter and converter module allow flexible and cost effective cabinet design.

Product line		FR-CC2-H □ K-60								
		315	355	400	450	500	560	630		
Output	Rated motor capacity	kW		315	355	400	450	500	560	630
	Overload current rating ^①	200 % 60 s, 250 % 3 s						150 % 60 s, 200 % 3 s	120 % 60 s, 150 % 3 s	110 % 60 s, 120 % 3 s
	Rated Voltage ^②	430–780 V DC ^③								
	Regenerative braking torque	10 % torque/continuous								
Input	Power supply voltage	3-phase, 380–500 V AC, -15 %/+10 %								
	Voltage range	323–550 V AC at 50/60 Hz								
	Power supply frequency	50/60 Hz ±5 %								
	Rated input capacity ^③	kVA		465	521	587	660	733	833	924
Others	Cooling	Fan cooling								
	DC chokes	Built-in								
	Protective structure ^④	Open type (IP00)								
	Weight	kg		210	213	282	285	288	293	294
	Dimensions (WxHxD)	mm		600x1330x440			600x1580x440			
Order information		Art. no.		274507	274508	274509	274510	274511	279637	279638

① The % value of the overload current rating indicated is the ratio of the overload current to the inverter's rated output current. For repeated duty, allow time for the converter unit and the inverter to return to or below the temperatures under 100 % load.
 ② The converter unit output voltage varies according to the input power supply voltage and the load. The maximum point of the voltage waveform at the converter unit output side is approximately the power supply voltage multiplied by $\sqrt{2}$.
 ③ The power supply capacity is the value at the rated output current. It varies by the impedance at the power supply side (including those of the input choke and cables).
 ④ FR-DU08: IP40 (except for the PU connector section)
 ⑤ The permissible voltage imbalance ratio is 3 % or less. (Imbalance ratio = (highest voltage between lines – average voltage between three lines)/average voltage between three lines x100)