

ENxxxMCU100KW780V

100KW motor inverter



Product information

The motor inverter transforms DC current to AC current with a regulated frequency and value for the vehicle. Owing to high rated power and wide range of input voltage, the inverter is capable of fluently regulating the torque velocity of the unit, what guarantees its soft start and stop. IP67 security class provides reliability and durability of the device and its resistance to harsh environmental conditions.

Functionalities:

- IP67 security class
- 300VDC – 780VDC input voltage range
- 110kVA rated power

Technical specification

Parameter		Value
Rated power	kVA	110
Maximum power	kVA	180
Input rated current	A	282
Output rated current	A	235
Maximum output current	A	350
DC voltage input range	V	300 – 780
DC low voltage input range	V	9 – 36
Low voltage power consumption	W	12
DC output voltage range	V AC	0 – 400
Mass	kg	9,5
Dimensions	mm	382 x 258 x 116
Operating temperature	°C	-40 ~ +55
Storage temperature	°C	-40 ~ +85
Overheating protection	°C	95°C – alarm, 105°C – shut down of the device
Humidity	%	5 - 95
Cooling power	kW	1,8kW (rated) or 3kW (instantaneous)
Water flow diameter	mm	∅ 20
Inlet water temperature	°C	≤ 60
Security level		IP67
EMC		GB/T 18655

Security	Overheating, overload, short circuit, overvoltage, undervoltage, stoppage, sudden load change protection. Immediate stop to protect the device.
Functions	Feedback, speed control, torque control, torque/speed control switching, speed limit, torque limit, machine learning, fault reset, host computer software function, active discharge function.

*the manufacturer reserves the right to make changes to the parameters and appearance of the product