

ENxxxDCDC3KW24V

24V DC/DC high-voltage converter



Product information

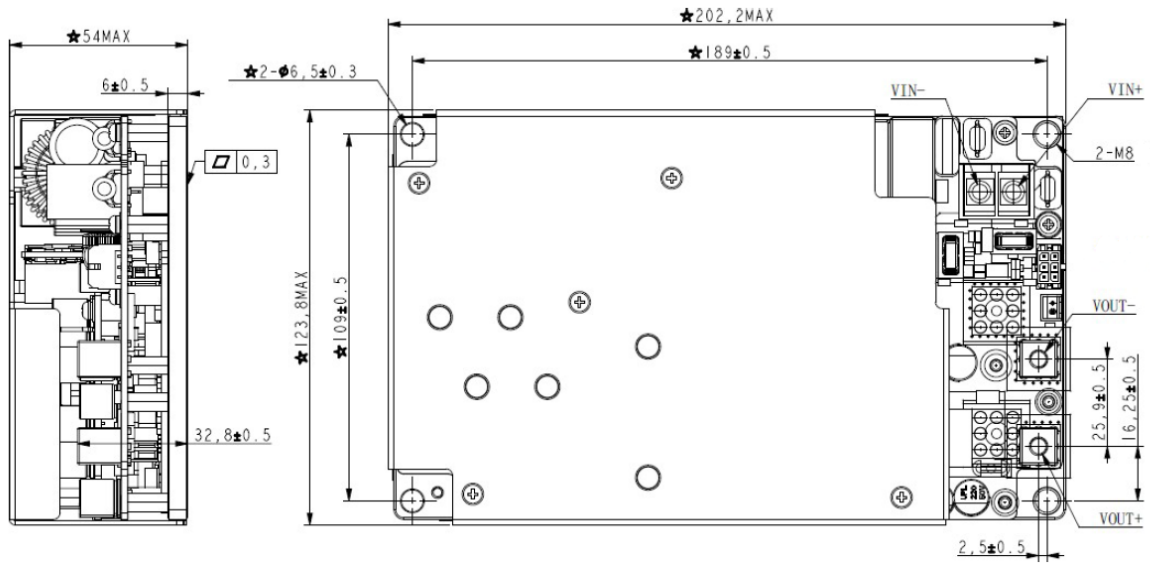
24V DC/DC high-voltage converter is used to transform high-voltage source of direct current from the high-voltage battery in the new electric vehicle to 27,5V DC and provides low voltage for the vehicle. The device is characterised by its direct output voltage, high efficiency, compact design and safety, as well as reliability. In addition, it has high shock resistance.

Functionalities:

- Conversion of energy from high-voltage rails to supply 24V installations
- 24V acid and lithium-ion batteries charging

Technical specification

Parameter		Value
Operating voltage	VDC	24
Rated voltage	VDC	380
Input voltage range	VDC	200 - 450
Maximum input current	A	18
Output rated voltage	VDC	27,5
Output voltage accuracy	%	± 2
Rated output current	A	110
Maximum output current	A	120 (for 200V input voltage)
		130 (for 380V input voltage)
		140 (for 450V input voltage)
Rated output power	kW	3
Maximum output power (6min)	kW	3,2 (for 200V input voltage)
		3,6 (for 380V input voltage)
		3,8 (for 450V input voltage)
Output quiescent current	mA	2
Launch time	s	2
Operation environment temperature	°C	-40 ~ +85
Storage temperature	°C	-40 ~ +105
Humidity	%	5 – 95
Efficiency	%	92
Dimensions L x W x H	mm	200 x 120 x 52
Mass	kg	≤ 2,5
Communication		CAN



Picture 1 – Overview sketch

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