

CHARGER 1.1KW 120VDC**ROBUST DESIGN WITH ACTIVE AIR COOLING****INDUSTRIAL ELECTRONICS**

The on-board charger is a compact and efficient system solution that integrates two key power electronics functions into a single unit in dust- and water-proof enclosure. It operates as a 1.1kW charger to recharge the vehicle's high-voltage traction battery and simultaneously serves as a high-power insulated DC/DC converter, delivering up to 450W of power to the auxiliary sub-systems of the two- or three-wheeler.

Highlights:

- > Powerful 1.1kW on-board charger for wheelers
- > Integrated 450W insulated DC/DC converter
- > High power density resulting in compact size
- > Low weight of less than 3.2kg
- > High efficiency and excellent Power Factor, achieved through Active Power Factor Correction (APFC)
- > Robust design with intelligent active air cooling
- > Customized, cost-effective solution for high volumes

TECHNICAL DATA

CHARGER 1.1KW 120VDC

Function	Charger with Integrated DC/DC converter
Charger Power	1.1kW, 60 – 120Vdc
Integrated DC/DC Converter	450W, 12V-14.5Vdc
Input Voltage	110V/230V, 60/50Hz
Input Power Factor	>0.99 (1-phase Active PFC)
Interfaces	CAN (2.0A, 2.0B, FD, ... according to the needs)
IP protection class	IP 67
Cooling Concept	Smart Active Air Cooling
Safety	Under- and overvoltage protection Short circuits and overcurrent protection Under- and overtemperature protection
Dimensions (LxWxH)	240 x 220 x 110 [mm]
Weight	Lower than 3.2kg
Software	Own integrated software libraries (customizable) with self-diagnostic and data logging capabilities.
Service	Full development, production

Subject to change

CONTACT



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