

CHARGER 2.2KW 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 2.2kW 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:

- > 2.2 kW on-board charger for two-wheelers
- > Integrated 450 W insulated DC/DC converter
- > High power density resulting in compact size
- > Low weight of less than 3.5 kg
- > High efficiency and power factor through Active Power Factor Correction (APFC)
- > Robust design with intelligent active air cooling
- > Scalable platform for on-board and off-board applications
- > Customized, cost-effective solution for high volumes

TECHNICAL DATA

CHARGER 2.2KW 120VDC

Function	Charger with Integrated DC/DC Converter
Charger Power	2,2kW, 60 – 120Vdc On-Board Charger
Integrated DC/DC Converter	450W, 12V-14.4V
Input Voltage (Output Voltage)	110V/230V, 50/60Hz (80V - 120V)
Input Power Factor	>0.99 (1 Phase active PFC Frontend)
Interfaces	CAN
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)	220 x 230 x 110 [mm]
Weight	Lower than 3,5 KG
Software	Own integrated software libraries (customizable) with self-diagnostic and data logging capabilities.
Service	Full development, production

Subject to change

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