

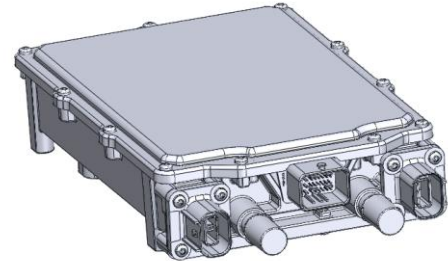
EV Power Charger

3.3 kW Traction Battery Charger Module

Compact and high efficiency on board charger (OBC) for electrical vehicles

Application

- For pure Electrical Vehicles (EV's) and Plug-In Hybrid Electrical Vehicles (PHEV's)
- The charger is designed for maximal utilization of 16A wall socket.



EV POWERCHARGER OBC GEN2.5

RECTIFIER/CHARGER MODULE with CAN INTERFACE and LIQUID COOLING

Features

- Automotive design
- Global power grid compatibility
- Compact design and higher power density
- Digitally controlled power conversion
- CAN Interface to control charging
- Integrated liquid cooling
- Advanced safety features
 - HV interlock (HVIL)
 - Passive discharge
 - Active discharge (optional)
 - Galvanic isolation for AC input, DC output and vehicle CAN Interface
 - High temperature de-rating above 60°C
 - Full aluminum IP67 casing
- Pilot and Proximity detection (optional)
- Integrated wake up (optional)

Electrical specifications		
Output voltage	[VDC]	200 – 430
Output power	[kW]	3.3
Max. output current	[A]	12
Input voltage	[VAC]	85 – 275
Input current	[A]	16
Efficiency	[%]	≥93
Power density	[kW/dm ³]	1.1
PWR	[kW/kg]	0.95
Passive discharge		<60 VDC within 120s
Active discharge		<60 VDC within 5s
Electrical protection		OVP, OCP, OTP
Mechanical specifications		
Operation temperature	[°C]	-40 to +85
IP class		IP67
Weight	[kg]	3.5
Coolant pressure drop	[kPa]	< 20
Over pressure resistance	[kPa]	200
Size LxWxH (incl. connector)	[mm]	310x194x69
Volume	[L]	3.2