

NONISOLATED ONBOARD CHARGER FOR EV/HEV

Non-isolated charging technology for (hybrid) electric vehicles offers several advantages in comparison to isolated chargers: less components lead to reduced cost, smaller volume, lighter weight and higher efficiency. Furthermore, bidirectional power flow can be easily implemented by digital control to support future SmartGrid solutions, while the integrated RCD sensor ensures safety compliance according to international standards.



- ▼ Safety standard compliant
- ▼ Bidirectional power flow
- ▼ High efficiency > 98%



Main features

- ▼ Bidirectional power flow possible (vehicle to grid or socket outlet for isolated (off-grid) operation)
- ▼ Isolation monitoring circuit
- ▼ RCD (type B) integrated
- ▼ High efficiency
- ▼ Low weight, volume, cost and component count

Technical Data

Input voltage range	85...265 VDC
Nominal output power	3300
Output voltage range	200...420 Vdc
Maximum efficiency	>98% (optimized)
Dimensions	200x180x100 mm
Cooling	water cooled (-40...+75°C)
Communication	CAN