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.

**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