

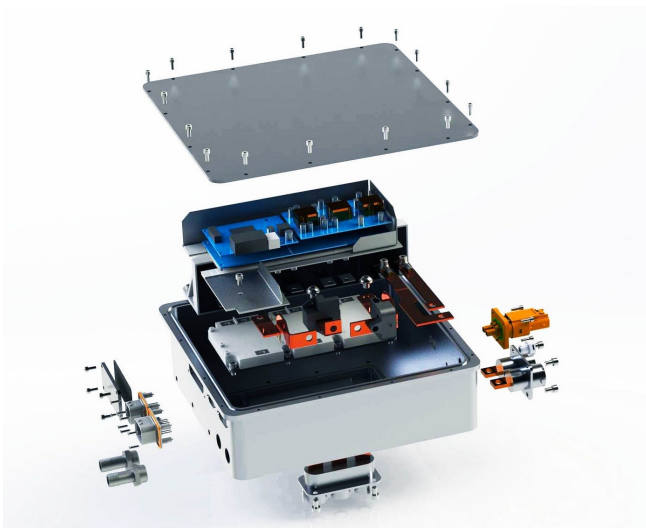
AC motor power delivery is implemented by liquid cooled Infineon FS900 Series IGBT module.

EDS.23.12V Motor inverter utilizes Indirect FOC motor drive algorithm providing great torque response and efficiency.

Electric Vehicles**Heavy Machinery****Marine Applications**

- ECE R-85
- ECE R-100
- ECE R-10

Key Features



- DC link voltage up to 450 V
- Phase current 450 A RMS / 590 A Peak
- EiceDRIVER™ Gate driver technology
- Active switching overshoot protection
- Dual IGBT driver power supply
- Hardware short circuit protection
- DC link current limiting
- Up to 1 Mbps CAN bus communication
- HVIL protection
- Weight: 11.2 kg

Power Rating

- Peak Power: 150 kW @ 400 VDC
- Typical working voltage: 250-450 VDC
- R-85 - 30 min power: 100 kW @ 400 VDC

Other Features

- Coolant Flow: 15 L/min
- Coolant 50/50 water-glycol
- Working Temperature: -40 C — 65 C
- Max Phase Current: 590 A (10s)

Drawings

