

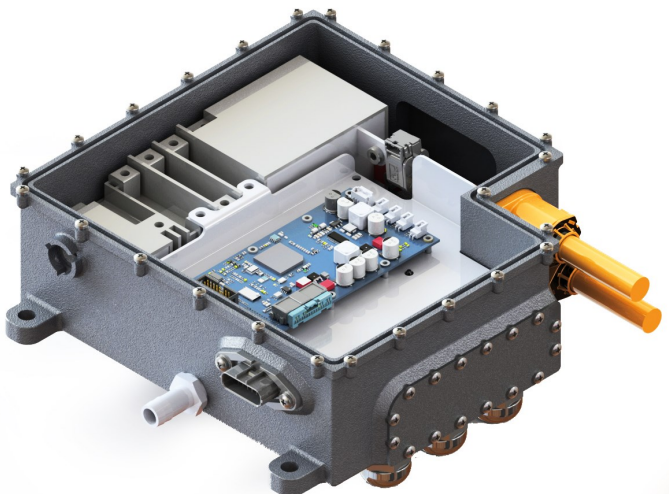
AC motor power delivery is implemented by liquid cooled Infineon FS950 Series IGBT module.

EDS.33.12V 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 480 V
- Phase current 520 A RMS / 630 A Peak
- Active switching overshoot protection
- Hardware short circuit protection
- DC link current limiting
- Up to 1 Mbps CAN bus communication
- HVIL protection
- Weight: 7.4 kg
- ASM and PSM motors

Power Rating

- Peak Power: 175 kW @ 450 VDC
- Typical working voltage: 250-480 VDC
- R-85 - 30 min power: 120 kW @ 450 VDC

Other Features

- Coolant Flow: 15 L/min
- Coolant 50/50 water-glycol
- Working Temperature: -40 C — 75 C
- Max Phase Current: 630 A (10s)

Drawings

