

EDS-23 Series Motor Inverter

ELINTA MOTORS EDS.23-12V-XXX

2019-01-03



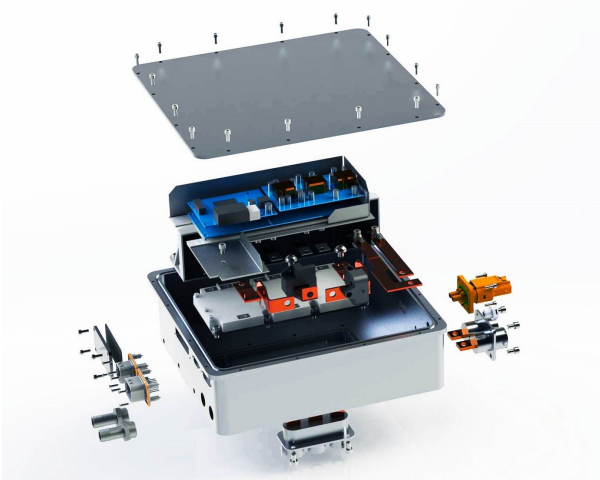
Three phase electric drive system (EDS) is controlled by Infineon TriCore family microcontroller.

AC motor power delivery is implemented by liquid cooled FS800R07A2E3_B31 IGBT module, which is driven by EiceDRIVER™ Gate drivers.

EDS-23 Motor inverter utilizes Indirect FOC motor drive algorithm providing great torque response and efficiency.

- 100% Electric vehicles
- Plug-in Hybrid vehicles
- Custom applications
- Machinery
- Marine applications

Key Features



Dimensions
308 Dia. x 512 mm

Power

- Typical working voltage: 300-450V
- Constant power: 110 kW
- Constant phase current: 450 A
- Peak Power: 190 kW
- Peak Phase Current: 630 A

- DC link voltage up to 450 V
- Peak Phase current 630 A
- 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.
- Amphenol PowerLok connectors

Other Features

- Working temperature: -40 C - 65 C
- Coolant 50/50 water-glycol
- Coolant Flow: 12 L/min
- Weight 11 kg

Drawings

