

eDS – electric Drive System Low CE

Power range from 80 kW to 120 kW, scalable from 400V to 800V boardnet.

EV dedicated compact secondary 3-in-1 boost drives for midsize EVs.



Features and Specifications

- Peak axle power: 80 kW for 30 s
- Peak axle torque: 1,575 Nm
- Cont. axle torque: 400 Nm
- Output speed: 1,350 rpm
- Main dimensions (x-y-z): 290-445-345 mm

Competitive advantage/differentiators

- **Efficiency**
150 W @ 600 rpm best-in-class drag losses
- **Safety**
1,570 Nm front axle torque
- **Convenience**
Preventing secondary NVH measures
- **Dynamics**
80 kW peak power on front axle up to maximum speed
- **Sustainability**
Dedicated secondary ASM rare earth free

Applications/benefits

- Battery electric vehicles
- Hybrid electric vehicles
- C,D segment vehicles
- Secondary propulsion
- Boost & regeneration modes

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production