

# eDS – electric Drive System Low

Power Range from 60 kW to 90 kW  
Scalable from 400V to 800V boardnet

EV dedicated compact secondary boost drives for midsize EVs.



## Features and Specifications

- Peak axle power: 80 kW for 30 s
- Peak axle torque: 1,570 Nm
- Cont. axle torque: 400 Nm
- Output speed: 1,350 rpm
- x-direction w/o mountings: 250 mm

## Competitive advantage/differentiators

- **Efficiency**  
150 W @ 600 rpm best-in-class drag loss
- **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