

eDS – electric Drive System Mid CE

Power range from 120 kW to 180 kW, optimized for 800 V.
EV dedicated compact secondary boost drives for mid to large size EVs.
Rare earth free e-motor for sustainability.



Cleaner



Electrification



Autonomy



Driving Dynamics

Competitive advantage/differentiators

- **Efficiency**
Best-in-class drag loss
- **Safety**
3,000 Nm front axle torque
- **Convenience**
Preventing secondary NVH measures
- **Dynamics**
180 kW boost power on front axle up to maximum speed
- **Sustainability**
Rare earth free e-motor (ASM)

Applications/benefits

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

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production

eDS – electric Drive System Mid CE

Power range from 120 kW to 180 kW, optimized for 800 V.
 EV dedicated compact secondary boost drives for mid to large size EVs.
 Rare earth free e-motor for sustainability.



EtelligentDrive

Features and Specifications

- Boost axle power: 180 kW for 10 s*
- Peak axle torque: 3,000 Nm
- Cont. axle torque: 1,000 Nm
- Output speed: 1,600 rpm

*Nominal battery voltage 700 V

Competitive advantage/differentiators

- **Efficiency**
Best-in-class drag loss
- **Safety**
3,000 Nm front axle torque
- **Convenience**
Preventing secondary NVH measures
- **Dynamics**
180 kW boost power on front axle up to maximum speed
- **Sustainability**
Rare earth free e-motor (ASM)

Applications/benefits

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

SOP

