

# eDS Duo – 2-Speed 2 E-motor Duodrive

Peak power up to 240 kW

Unique eDrive system dedicated to BEVs with ultimate traction properties. Wheel individual propulsion enables off-road functions like the tank turn.



## Features and Specifications

- Up to 240 kW for 30 sec and 9,000 Nm per axle
- Torque per wheel of up to 4,500 Nm
- Inverter with 400V SiC technology
- 2-speed GBX with neutral position for decoupling
- Parklock feature for primary drive
- Fulfills safety integrity level ASiL “D”
- E-motor with PSM technology

## Competitive advantage/differentiators

- Best-in-class traction and off-road functions with 2-speed gearbox and wheel individual propulsion
- Best-in-class efficiency with SiC & decoupling technology
- Best-in-class package due to interlaced gearbox concept and single inverter housing
- Affordable costs

## Applications

- Battery electric vehicles
- Off-road LCV
- Primary propulsion
- Secondary drive capability

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production