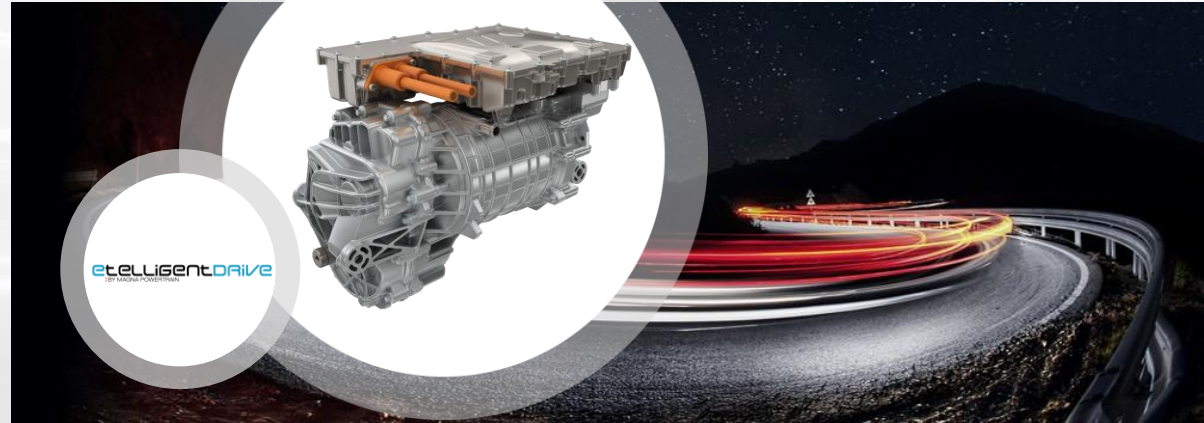


eDS – electric Drive System Low

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

Efficient primary drives for small EVs
or secondary drive for Px4 PHEVs.



Features and Specifications

- Up to 90 kW for 30 sec
- Dual cooling system
 - Internal oil cooling of stator/rotor
 - External coolant jacket – inverter/stator
- Features integration of parklock and decoupling
- Fulfills safety integrity level up to ASiL D and cybersecurity according ECE regulations
- Can be applied to hybrid and battery electric vehicles

Competitive advantage/differentiators

- Optimized efficiency (app. 90% average @ WLTC)
- Best-in-class E-Motor size and flexible package
- Scalable design from PHEV to EV
- Modular scalable building block approach
- Affordable cost

Applications/benefits

- Battery electric vehicles
- Hybrid electric vehicles
- A, B segment BEVs
- C, D segment PHEVs
- Primary propulsion
- Secondary drive capability
- Boost & regeneration modes

SOP

Ideation

Discovery

Concept

Development

Series Preparation

in Production