

eDS – electric Drive System Low

Power Range from 60 kW to 90 kW

Efficient primary drives for small EVs or 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
- Scalable to 800V board net
- Fulfills safety integrity level ASiL “D”
- Can be applied to hybrid and battery electric vehicles

Competitive advantage/differentiators

- Optimized Efficiency (ca. 90% average @ WLTC)
- Best in Class E-Motor size and flexible package
- Scalable Design from PHEV to EV
- Affordable cost

Applications/benefits

- Hybrid / Battery Electric Vehicle
- A, B segment BEVs
- C, D segment PHEVs
- Primary Propulsion
- Secondary Drive capability

SOP

Ideation

Discovery

Concept

Development

Series Preparation

in Production