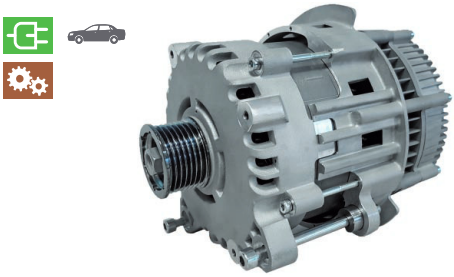


48 V Air-Cooled Belt Starter Generator (BSG)

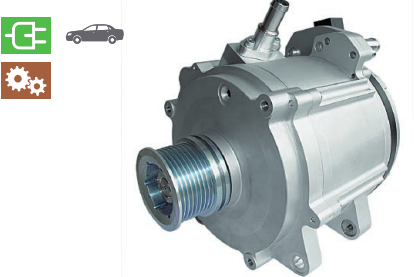


Cost-efficient, compact solution for mass hybridization. Advanced start-stop, coasting, and electric boost.

- Benefits**
- Air-cooled BSG with high power density and integrated inverter
 - Generates high CO₂ benefits together with significant drivability improvements

- Technical Information**
- Peak torque: 60 Nm
 - Peak power: 12 kW in generator mode
 - Speed: Up to 20,000 rpm continuous
 - Weight: <10 kg
 - Ambient temperature: -40°C up to +120°C
 - Cold start approved at -30°C
 - Stack length adjustable (40 up to 80 mm)
 - Safety: ASIL-B

48 V Liquid-Cooled Belt Starter Generator (BSG)



Electrification

High performance, cost efficient mild hybrid solution. Advanced start-stop, coasting, and electric boost.

- Benefits**
- Liquid-cooled BSG with highest power density
 - Generates high CO₂ benefits together with significant drivability improvements
 - IP6K9K, robustness against water and dirt
 - No debris/dust, no service required

- Technical Information**
- Peak torque: 60 Nm
 - Peak power: 15 kW in generator mode
 - Speed: Up to 20,000 rpm continuous
 - Weight: <12 kg
 - Ambient temperature: -40°C up to +140°C
 - Cold start approved at -30°C
 - Stack length adjustable (40 up to 80 mm)
 - Safety: ASIL-B