

# High-voltage DC/DC converter generation 3evo

Cost-attractive automotive design



The standalone cost-attractive converter designed for automotive applications



## increased robustness

by reduced interconnects, realized by single board design

## reverse power transfer

elimination of battery charging contactor and resistor

- ▶ Cost-attractive automotive design from Bosch electronic engine control unit production lines
- ▶ Up to 95% maximum efficiency with different loads thanks to multi-phase design
- ▶ Easy vehicle integration and power scalability
- ▶ Global availability (local for local)
- ▶ Potential for high-voltage battery circuit simplification due to bi-directional operation mode
- ▶ Excellent electromagnetic compatibility (EMC) due to ripple compensation feature