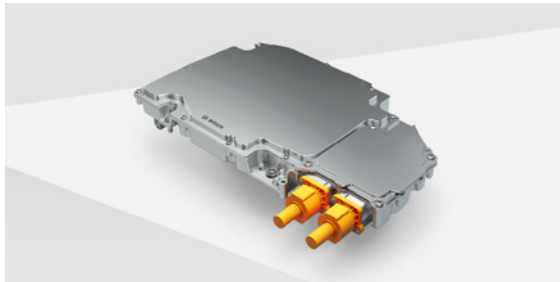


Power electronics generation 3evo

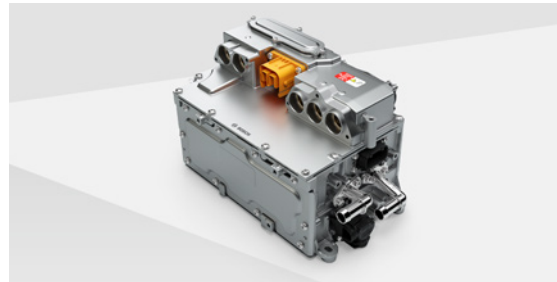
Control unit for electric drive systems



The power electronics generation 3evo is available in two different variants:



3evo inverter for the integration in eAxles



Stand-alone solution with integrated high-voltage DC/DC converter

**20 %
less losses**

due to advanced power module technology

**high
reliability**

high resistance for thermal cycling

- ▶ Bosch offers power electronics for on-demand control of the electric powertrain in passenger cars and light commercial vehicles.
- ▶ The power electronics controls the electric motor and provides the connection to the high-voltage battery.
- ▶ Power electronics units from Bosch make the electric powertrain run more efficiently, resulting in extended electric driving range.
- ▶ In combination with the electric motor and transmission, they enable the first generation of eAxles used in vehicle volume production to achieve a system efficiency of up to 93%.