The 48 V DC/DC converter converts electric energy from 48 V to 12 V and vice versa. It can be used, for example, in boost recuperation systems.

It provides stable energy to the 12 V electrical system independent of the engine speed. Thus, it supports innovative fuel-saving driving applications, such as advanced start-stop, regenerative braking or coasting.

The 48 V DC/DC converter has been specially designed for cost-efficient mass hybridization.

High-performance 48 V DC/DC converter

- up to 2.5 kW rated output in buck mode
- up to 95% efficiency thanks to multi-phase design