

DC/DC-Converter

Perfect thermal management



Stay cool!

Requirements in mobile applications are demanding. Even converters with very high efficiency generate heat that must be dissipated. Taking ambient temperatures into account additionally, our compact and very efficient converters for vehicles are perfectly designed with an optimized integrated thermal management. Mounting the converters on any heat conducting surface is sufficient for standard usage. Sometimes using such mountings isn't an option. Using a heatsink might help. It increases the dissipation by convection cooling, e.g. the airstream in mobile applications. If even that is not enough, a ColdPlate is available. Here you can actively control the cooling with your system.

Power



DEUTRONIC 
EDWANZ group

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Depending on the installation situation, it may make sense to use different cooling systems.

Contact cooling

Features:

- ✓ Easy installation
- ✓ Maintenance-free
- ✓ Compact and robust
- ✓ Cost-effective
- ✓ Limited temperature of the mounting surface

Heatsink

Features:

- ✓ Space saving due to independent surface mounting
- ✓ Improved, passive cooling
- ✓ Maintenance-free
- ✓ Robust

ColdPlate

Features:

- ✓ Low requirements to ambient conditions
- ✓ High flexibility
- ✓ Implemented into controlled cooling system

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