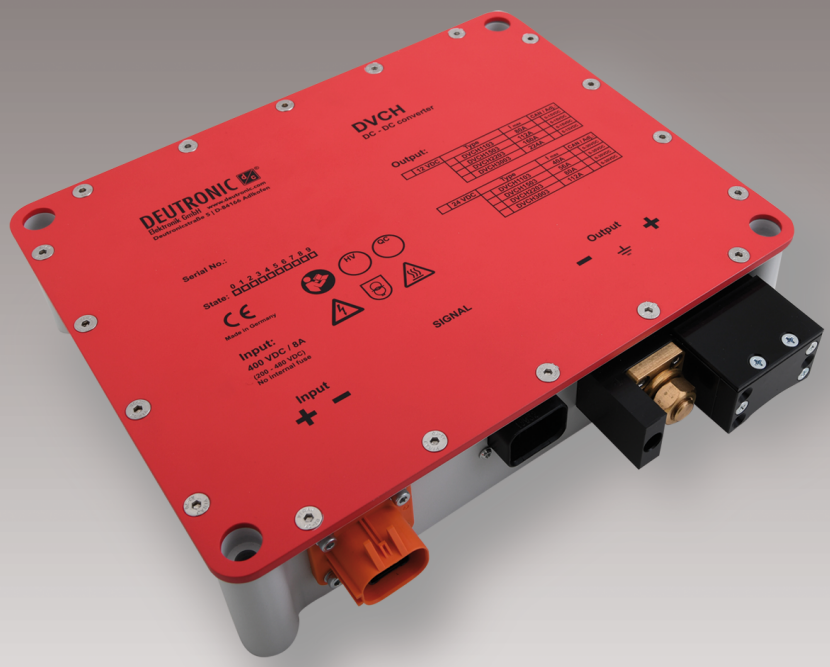
DVCH-Series

DC/DC converter for hybrid and electric vehicles



Deutronic Transportation
offers a wide spectrum of DC/DC converters.

For hybrid and electric vehicles, electronic components such as high-voltage energy storage, electric motors etc. have an important role. Depending on the degree of electrification of the vehicle, components from conventional drive concepts are replaced by more efficient ones. Thus, in hybrid or electric vehicles, the generator can be saved, which supplies the 12V/24V/48V electrical system. Instead, a DC/DC converter is required, which changes the voltage of the high-voltage energy storage device to the voltage of the electrical system.

The DVCH converter meet the requirements occurring in a vehicle and also impress with extremely low construction volume and very high efficiency.

Power

MORE

DEUTRONIC
EDWANZ group

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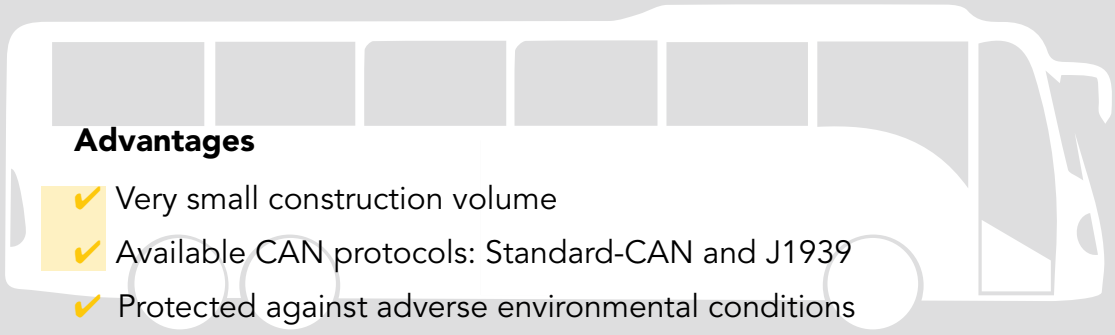
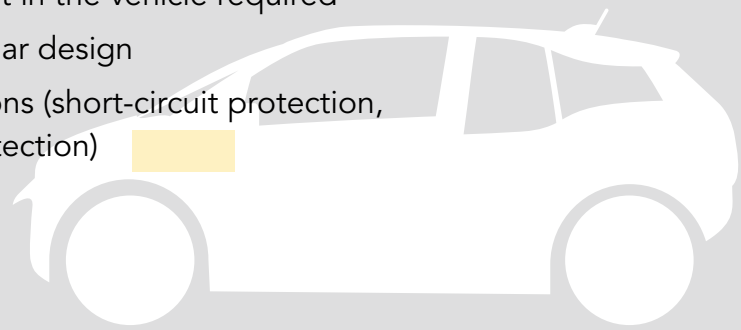


Advantages

- ✔ Very small construction volume
- ✔ Available CAN protocols: Standard-CAN and J1939
- ✔ Protected against adverse environmental conditions (protection class IP65, IP67 and IP6K9K)
- ✔ Contact cooled, no extensive cooling concept in the vehicle required
- ✔ Customized changes possible through modular design
- ✔ Several protection and self-protection functions (short-circuit protection, overtemperature protection and no load protection)
- ✔ Interlock function



Technical data

Type	Output power	Input voltage	Output voltage	Max. output current	Controll inputs
DVCH1503-400-12	1500W	200–470VDC	2–15VDC	112A	CAN
DVCH1503-400-24	1500W	200–470VDC	2–30VDC	56A	CAN
DVCH1503-700-12	1500W	400–900VDC	2–15VDC	112A	CAN
DVCH1503-700-24	1500W	400–900VDC	2–30VDC	56A	CAN
DVCH3003-400-12	3000W	200–470VDC	2–15VDC	224A	CAN
DVCH3003-400-24	3000W	200–470VDC	2–30VDC	112A	CAN
DVCH3003-400-48	3000W	200–470VDC	4–60VDC	56A	CAN
DVCH3003-700-12	3000W	400–900VDC	2–15VDC	224A	CAN
DVCH3003-700-24	3000W	400–900VDC	2–30VDC	112A	CAN

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