DVCx3-Series

DC/DC converter for hybrid and electric vehicles

Deutronic Logistics
keeps your industrial trucks running.

The latest generation of DC/DC converters for electromobility – also in fuel cell applications – enables a high power density and current carrying capacity with a very flat design using planar components.

The DVC853 and DVC1903 have a boost performance and provide for t<= 4s a maximum output power of 2.208W or 3.840 W. Both converters are equipped with a CAN interface and allow communication according to the standard- and J1939-protocol. Other input/output voltage ranges are available on request.

Power

MORE

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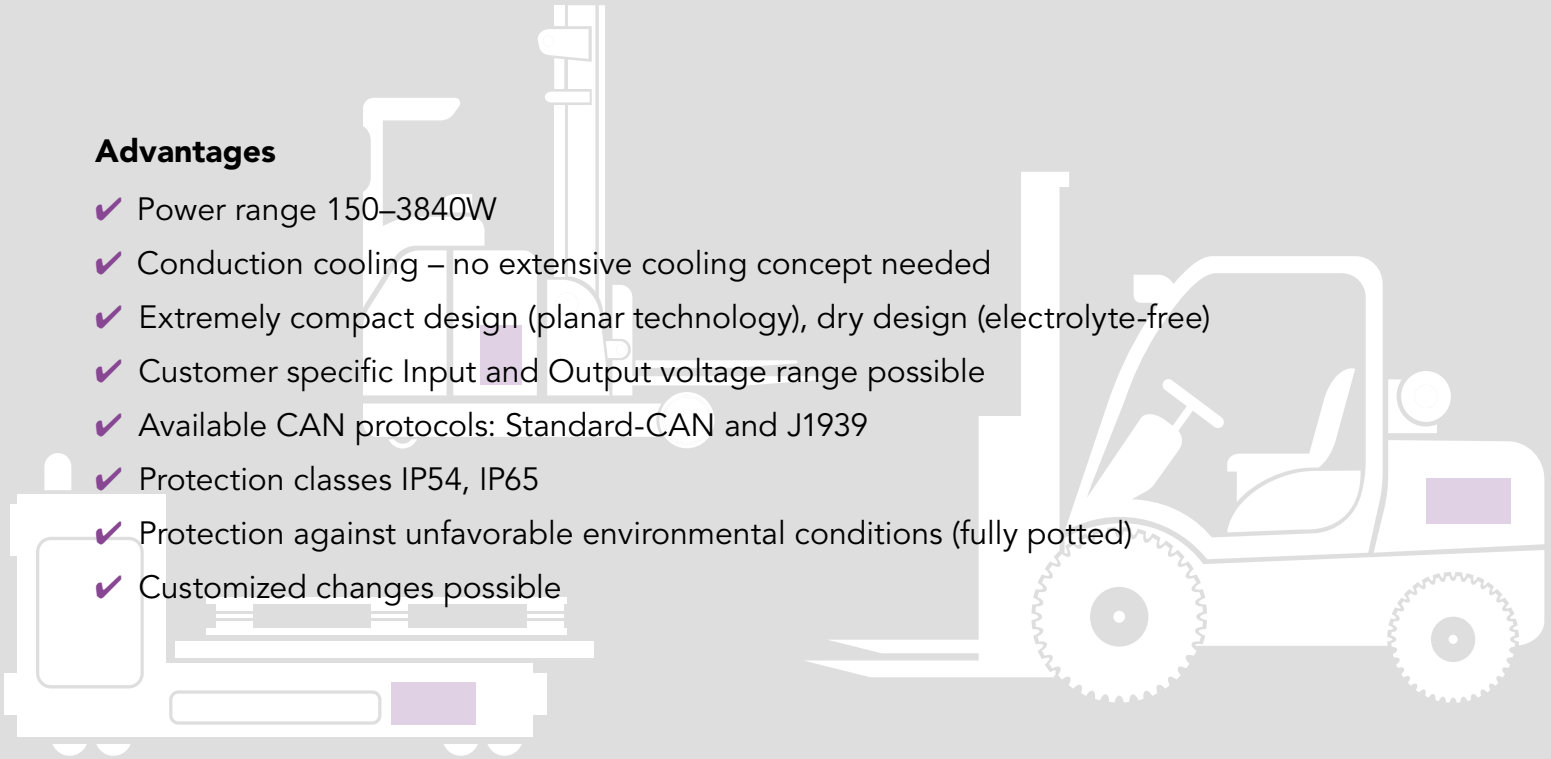

Advantages

- ✔ Power range 150–3840W
- ✔ Conduction cooling – no extensive cooling concept needed
- ✔ Extremely compact design (planar technology), dry design (electrolyte-free)
- ✔ Customer specific Input and Output voltage range possible
- ✔ Available CAN protocols: Standard-CAN and J1939
- ✔ Protection classes IP54, IP65
- ✔ Protection against unfavorable environmental conditions (fully potted)
- ✔ Customized changes possible

Technical data

Type	Output power	Input voltage	Output voltage	Max. output current	Controll inputs
DVC153-36-12	150W	36VDC	12,5VDC	12A	
DVC153-48-12	150W	48VDC	12,5VDC	12A	
DVC153-80-12	150W	80VDC	12,5VDC	12A	
DVC453-24/36-24	450W	24–36VDC	24,3VDC	18,5A	
DVC453-48/80-24	450W	48–80VDC	24,3VDC	18,5A	
DVC953-48/80-13,8-CAN	1280W	48–80VDC	13,8VDC	80A	CAN
DVC853-48/80-13,8	966W **(2.208W t<=4s)**	48–80VDC	13,8VDC	70A **Boost 160A (t<=4s)**	Option: CAN
DVC1903-48/80-24	1680W **(3.840W t<=4s)**	48–80VDC	24,3VDC	70A **Boost 160A (t<=4s)**	Option: CAN
DVC2503	2500W	48–135VDC	24,3VDC	100A	CAN

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Deutronicstraße 5 | D-84166 Adlkofen/Germany | Tel. +49 8707 920-0
E-Mail: sales@deutronic.com | www.deutronic.com