



DVCx3-Series

DC/DC converter for hybrid and electric vehicles

The latest generation of DC/DC converters for electromobility – also in the application with fuel cells – enables a high power density and current carrying capacity by using planar devices with a very flat design. The DVC853 and DVC1903 have a boost performance and provide for $t \leq 4s$ 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.

Benefits

- Extremely compact size
- Very powerful
- Option CAN / RS232
- Boost performance



DEUTRONIC [®]
EDWANZ group

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Design

- Customer specific Input and Output voltage range possible
- Customer specific cables and connectors possible
- Protection against unfavorable environmental conditions (fully potted)

Technical Data

Type	Power	Input voltage	Output voltage	Max. Current	Control input
DVC153-24/36-12	150W	24-36VDC	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	
DVC853-48/80-13,8	966W (2.208W (t<=4s))	48-80VDC	13,8VDC	70A Boost 160A (t<=4s)	Option: CAN / RS232
DVC1903-48/80-24	1680W (3.840W (t<=4s))	48-80VDC	24,3VDC	70A Boost 160A (t<=4s)	Option: CAN / RS232



Deutronicstraße 5 | D-84166 Adlkofen/Germany
Tel.: +49 (0)8707 920-0 | Fax +49 (0)8707 1004
E-Mail: sales@deutronic.com | www.deutronic.com