



# DVC 153, 453, 853, 1903

## DC/DC converter for hybrid and electric vehicles

Due to the fact that planar devices are used, it is possible to achieve a high power density combined 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. Other input/output voltage ranges are available on request.

### Benefits

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



**DEUTRONIC** <sup>®</sup>  
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 <b>(2.208W (t&lt;=4s))</b>	48-80VDC	13,8 VDC	70A <b>Boost 160A (t&lt;=4s)</b>	Option: CAN / RS232
DVC1903-48/80-24	1680W <b>(3.840W (t&lt;=4s))</b>	48-80VDC	24VDC	70A <b>Boost 160A (t&lt;=4s)</b>	Option: CAN / RS232



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