



# DVC 153, 453, 1903

## DC/DC converter for hybrid and electric vehicles

**Premiere:** Extremely compact and powerful vehicle converters. 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 converters are designed in a completely dry construction (no electrolyte). The different types of the classes 450W and 1900W are optional controllable via CAN or RS-232. The DVC1903 provides a maximum output power of 3.840W. Other input/output voltage ranges are available on request.

### Benefits

- Extremely compact size
- Dry construction (no electrolyte)
- Controllable via CAN / RS-232
- 200% Boost for DVC1903 [3.840W ( $t \leq 4s$ )]



**DEUTRONIC**   
EDWANZ group

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## Design

- Customer specific Input and Output voltage range possible
- Customer specific cables and connectors possible
- Designed acc. to UL583
- Protection against unfavorable environmental conditions (fully potted)

## Technical Data

Type	Power	Input Voltage	Output Voltage	Max. Current	Control Input
DVC153-24-12	150W	24V (18–54V)	12,5V (+/- 1% Initial setting)	20A	
DVC153-48/80-12	150W	48–80V	12,5V (+/- 1% Initial setting)	20A	
DVC453-24-24	450W	24V (18–54V)	24,3V (0–26V controllable)	20A	Option: CAN / RS232
DVC453-48/80-24	450W	48–80V	24,3V (0–26V controllable)	20A	Option: CAN / RS232
DVC1903-48/80-24	1900W <b>(3.840W (t&lt;=4s))</b>	34–104V	24V (0–25V controllable)	Nom. 80A <b>Boost 160A (t&lt;=4s)</b>	Option: CAN / RS232



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