

DVCx3 DC/DC converter

for fuel cell operation



Deutronic Transportation / Logistics
Technological efficiency and sustainability

The DC/DC converters of the new DVCx3 series with the products DVC953, DVC1903 and the DVC2503 combine technological efficiency and sustainability. The series is predestined for a wide range of fuel cell applications – from portable and mobile to stationary.

Hydrogen is considered an important component of the future energy portfolio, as it represents an alternative to fossil fuels and can thus reduce the ecological footprint. With an efficiency of 95% as well as outputs of up to 7.5 kW, Deutronic therefore offers the ideal solution for customers and the environment.

Power



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Advantages

- ✓ Effective input current control for operation on fuel cells
- ✓ Power ratings between 1.0 kW and 7.5 kW with the flexibility of parallel interconnection (power scaling)
- ✓ Coverage of portable, mobile and stationary fuel cell applications
- ✓ Wide range input ensures high compatibility
- ✓ High efficiency 95 % guarantees efficient operation
- ✓ Connection via CAN interface (CAN2.0 A, J1939)
- ✓ Obsolete connection to the cooling circuit through contact cooling
- ✓ Robust housing with IP67 protection
- ✓ Compact dimensions and thus high power density due to planar technology

Technical data

Type	Output Power	Input voltage	Output voltage	Max. output current
DVC953-48/80-13,18-CAN	1280W	48–80VDC	13,8VDC	80A
DVC1903-48/80-24-CAN	1920W	48–80VDC	2–30VDC	80A
DVC1903-24/48-24-CAN	1920W	24–48VDC	2–30VDC	80A
DVC2503-96-24-CAN	2500W	96VDC	24,3VDC	100A



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