**DCC2**

**High efficiency DC/DC Converter for electric and hybrid vehicle applications**

Inmotion is a premier global supplier of power electronics to the industrial hybrid and electric vehicle industry. With our comprehensive product lineup for both high and low voltage hybrid/electric vehicles, Inmotion sets a benchmark for quality and reliability, ease of adaptation, and cost of ownership.

The DC/DC converter is designed for a wide range of input voltages and, with an adjustable secondary voltage for 12 and 24 V systems, it is ideal for most hybrid/electric vehicle applications. All models are available with CAN bus communication in order to seamlessly integrate into the vehicle control system.

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**PRODUCT FEATURES**

- **Best in class quality and reliability** achieved through superior design and manufacturing processes
- **Rugged IP6K9K design** suitable for the demanding environment of electric vehicles
- **Field proven control SW platform** used for both industrial and on-road vehicles
- **High efficiency (up to 95%)** using Silicon Carbide (SiC) technology
- Documentation in accordance with **AIAG PPAP** standard

- **Extensive and powerful event handling and data logging** simplifies troubleshooting and ensures **minimized vehicle down time**
- **Liquid (WEG) cooling** for minimized physical size
- **Adjustable output voltage**
- **Possible to parallel multiple units to achieve higher delivered power** at secondary voltage

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### RATINGS

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¹ Output voltage is adjustable via CAN or parameter. Typical output voltage for 12/24V battery shown in table
² Continuous rating

### ENVIRONMENTAL

- Ambient operating temperature: -40° C to +85° C
- Minimum WEG coolant temp/flow: 65° C @ 6 l/min
- Pressure drop: < 20 kPa at 65° C and 6 l/min
- Storage temperature: -40° C to + 85° C
- Protection class: IP6K9K and IP67
- Shock and Vibration: ISO16750-3
- Communication: CAN J1939 or CANOpen

### WEIGHT AND DIMENSIONS [mm]

- Weight: 10 kg

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