

MP Series

Low voltage DC-DC converter

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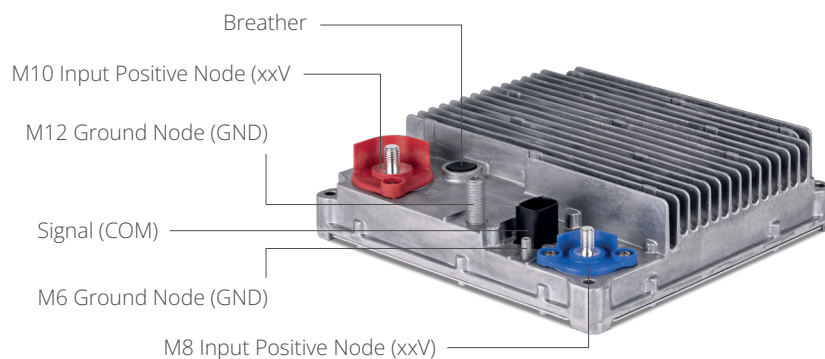
Low Voltage DC-DC Converters

Prodrive Technologies' DC-DC Converters are part of our larger eMobility and Power Conversion Portfolio. These fully bidirectional DC-DC converters are scalable and very efficient solution for demanding industrial and off-road applications and mild hybrid automotive systems/vehicles. They can be used to supply all power-intensive auxiliary applications and recuperate braking energy. Due to its very slim and highly energy efficient design it is ideally suited to be integrated into the battery itself. The wide DC voltage range supports multiple battery voltages.



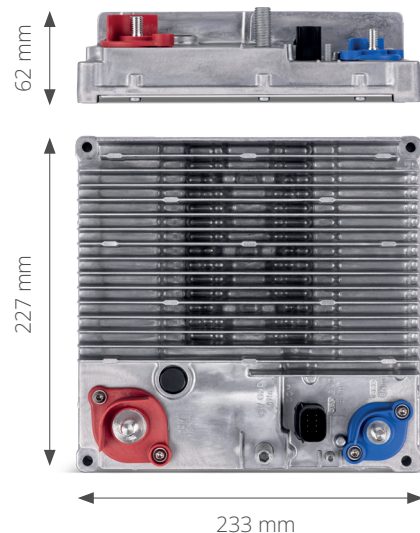
MODEL SELECTION

Part Number	Power	HVside	LVside	Efficiency	Operating Temperature	Mechanical	Weight
MP5612-80	1kW	24V-60V	8V-16V	95%	-40°C to 75°C	227x233x62 (mm)	2.6kg
MP5612-160	2kW	24V-60V	8V-16V	95%	-40°C to 75°C	227x233x62 (mm)	3.0kg
MP5612-240	3kW	24V-60V	8V-16V	95%	-40°C to 75°C	227x233x62 (mm)	3.2kg
MP5624-150	3.6kW	24V-60V	18V-32V	95%	-40°C to 75°C	227x233x62 (mm)	3.2kg
MP2412-150	1.8kW	20V-36V	8V-16V	95%	-40°C to 75°C	227x233x62 (mm)	3.2kg



PRODUCT FEATURES

- Bi-Directional
- CAN, J1939
- End User Configurable
PGNs, Voltage Range, Bitrate
- Multiphase Scalable
- Rugged, IP69K
- Protections on KL30 & VB Terminal
Reverse Polarity, Short-Circuit, Over Current, Under Voltage, Over Voltage
- Internal Over-Temperature Protection
- Digital Input: Hardware Enable, used for wake-up/enable
- Integrated EMC Filters
- Complies with automotive environmental standards



Information subject to change, contact us for more details:

WWW.PRODRIVE-TECHNOLOGIES.COM

SALES@PRODRIVE-TECHNOLOGIES.COM

+31 (0)40 2676200

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