

Combustion



Hybrid



Electric

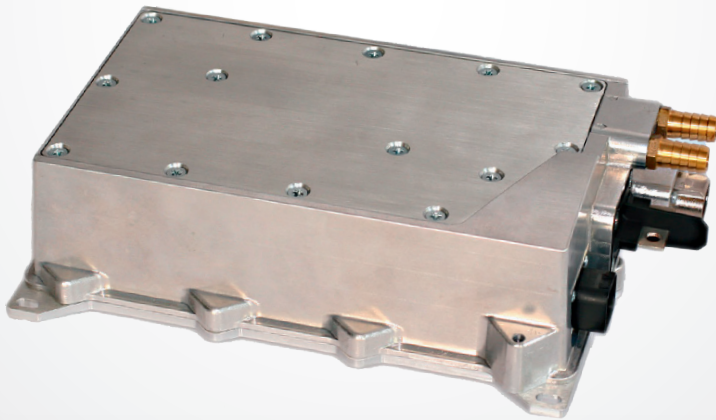
Explore our Technologies

High Voltage DC/DC Converter

for Commercial Vehicles

High Voltage DC/DC Converter

The Gen5 range of products utilise a highly flexibility architecture to deliver a unique feature rich set of functions is well matched to satisfy the electrification needs of automotive, commercial and construction markets. The range of High Voltage DC/DC converters is specifically aimed at vehicle OEM's and system integrators to offer them a compact, lightweight, rugged and cost effective class leading suite of solutions.



Key Parameters

- Wide input range 220 VDC to 800 VDC
- 1.2 kW Output power up to 7.2 kW (when paralleled only)
- High Efficiency >92 % from 50 % to 100 % load
- Parallel connection of multiple units for increased power or redundancy
- Forced current sharing
- Environmental: -40°C to +45°C (air cooled) to +65°C (liquid cooled) operation, IP67

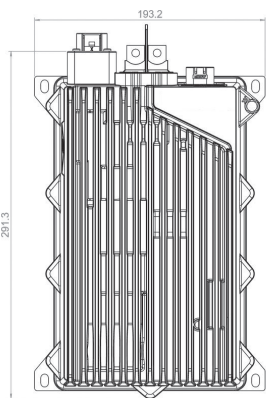
Intelligent I/O

If no CAN is used, the DC/DC converter can be enabled by an external relay or switch, Output Power OK signal.

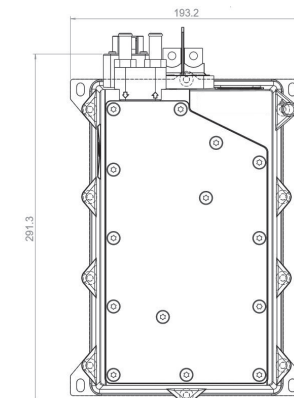
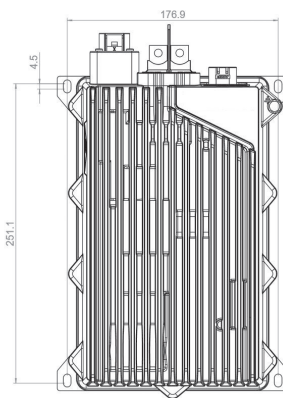
Smart Communications

The unit can be enable, disabled and monitored using CAN communication messages if required, the functionality provided includes:

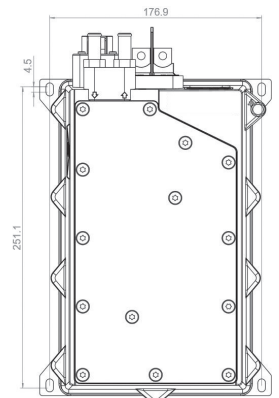
- Output enable/disable function
- Output voltage setting
- Output current setting and limiting
- Monitoring of status and operational values



Air Cooled



Liquid Cooled



For Additional BorgWarner Information:
borgwarner.com

