



Explore our Technologies

DC/DC Converter Family

for Electric Vehicles

BORGWARNER

DC/DC Converter Family for Electric Vehicles

BorgWarner DC/DC converters are ideally suited for electric vehicle applications. Each model incorporates a sturdy and efficient design within a compact footprint.

An isolated and stable 12 or 24 Volt output works with industry-standard lights, wipers, and other electronics. This provides a simpler and more economical solution than inefficient battery taps or expensive high-voltage accessories.

Features

- Silent, high-frequency operation
- 500 Watt or 300 Watt output power
- Input Protection:
reverse polarity and inrush
- Output protection:
overload and short circuit
- Output enable available on select models
- Fully isolated (Input, output and baseplate)
- IP67 protected enclosure
- Parallel operation possible for up to three converters (300 Watt models require an additional resistor or diode for each converter)
- Integrated fuse holder on some models
- UL approved versions available

Product Range

BorgWarner DC/DC converters are available in different input/output voltage combinations and power levels.

- Typical nominal input voltages:
24V, 36V, 48V, 72V, 80V, 96V
- Typical regulated output voltage options:
12V, 13.5V, 14.5V, 24V
- Peak output power of 300W or 500W (continuous output power is heavily influenced by the installation and ambient temperature)

Contact your local BorgWarner representative with your input and voltage requirements for further advice and recommended part.

