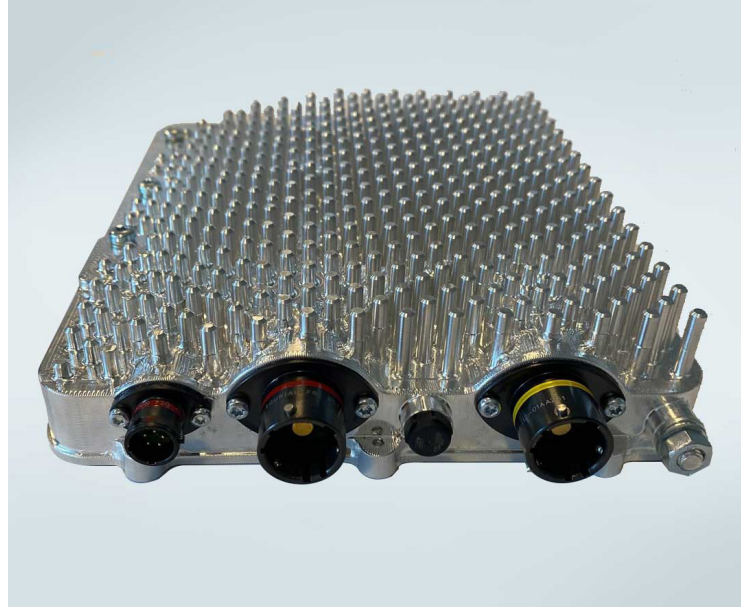


48V/12V DC/DC CONVERTER - BI-DIRECTIONAL DC/DC-CONVERTER



A bi-directional unit able to function in both buck and boost modes. The unit has a cost-efficient design, is motor compartment compliant, and is most suitable for mild hybrid vehicles, off-road, and powersport applications. This unit has a more complex construction compared to our uni-directional units and is usually found in hybrid vehicles.

HIGHLIGHTS

- Cost efficient design
- Motor compartment compliant
- High efficiency (>97%)

SUITABLE FOR

- Mild hybrid vehicles (12V supply)
- Off-road applications
- Powersport applications
- Powersupply for 48V consumers (e. g. eARC)

OVERALL CHARACTERISTIC

Type	Bi-directional operation (Buck/Boost mode)
Dimension	Approx 202 x 164 x 40 mm
Mass	1.1 kg
12V operating voltage	8V – 15.5V
48V operating voltage	24V – 56V
Power Level	“1.78 kW (buck mode) 1.00 kW (boost mode)”
Efficiency	Typically > 97%
Cooling	Naturally cooled
Control	CAN
Environmental Sealing	IP67

MATURITY

A-sample available