DC/DC Converters

For Electric Powered Vehicles

The Sevcon DC/DC Converters are suitable for all electric powered vehicles and are designed to be fitted on-board the vehicle and connected permanently to the battery. The converters deliver a stable isolated high power, low voltage DC supply for such accessories as lights, horns, and wipers. This eliminates inefficient battery taps and fragile, expensive high voltage accessories.

Feature Overview

- High frequency: silent operation
- Output power: 180 or 300W
- Protection from short circuit, overload, and reverse polarity
- Fully isolated
- IP67 protection rating



TECH/OPS SEVCON®

Partner with Performance™

DC/DC Converters

Features and Benefits

Custom, Compact Design

Custom designed for use with motor controllers, this compact, yet powerful converter can be connected in parallel for higher power requirementsto perform reliably in industrial and commercial environments.

Isolated Output

Safer than direct battery connection, this converter provides an electrically isolated output for ancillary equipment.

Stable Voltage

Output is regulated to 13V or 26V, depending on the model, and is maintained regardless of input voltage variations throughout the operating range.

Durable Reliability

Encapsulated to achieve a protection rating to IP67, this converter can be used with complete confidence in punishing environments.

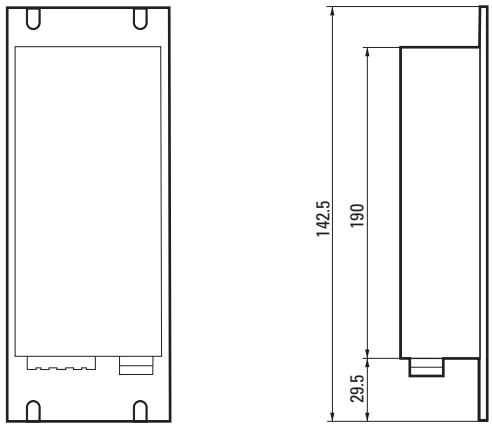
Electrical Specifications

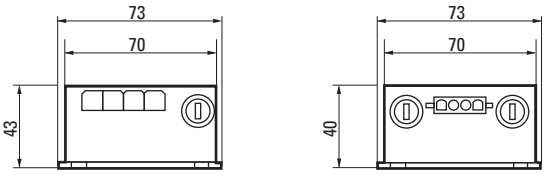
- 180 Watts: Amp 4 pin Universal Mate-N-Lok
- 300 Watts: Molex 4 pin Mini-Fit Senior
- Vibration: 6G, 40-200Hz, 1 hour in x, y, and z planes
- Operating Temperature: -30°C to +55°C
- Storage Temperature: -40°C to +70°C
- Frequency: 62kHz

DC/DC Converter Range

Nominal Input Voltage (Vdc)	Nominal Power (w)	Output Voltage (Vdc)	Part Number
24/36	300	24	622/11083
36/48	180	12	622/11071
36/48	300	12	622/11084
36/48	180	24	622/11073
36/48	300	24	622/11085
72/80	180	12	622/11075
72/80	300	12	622/11086
72/80	180	24	622/11077
72/80	300	24	622/11087

Dimensions





300W 180W

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