

# Azure Dynamics DC-DC Converters

**DCDC750: 100-200V Input, 12V Output**  
**DCDC750: 150-250V Input, 12V Output**  
**DCDC750: 200-400V Input, 12V Output**

## Overview

This sealed, solid-state DC-DC Converter takes a range of input voltages and delivers fixed 12VDC output at a maximum of 63A to run your vehicle's accessories such as fans, lights, horn, etc. The unit is very efficient and has high power-to-weight and power-to-volume ratios.

## Applications & Features

These DC-DC Converters are fully automatic. The input supply voltage can be turned on whether or not the load is connected. The device will achieve 12VDC output within a fraction of a second after input is connected.

- Modular packaging
- High efficiency
- Factory-adjustable output voltage
- Heat sink thermal protection
- Automatic "shutdown" (over-current)
- Low "idle" power use
- Over output voltage shutdown

This unit is not to be used to charge batteries. See the DCDC750BC data sheets for information on units designed to operate with 12/24V batteries. Also, this unit is not designed to be used in parallel with second or third units on same circuit. If more than 750W is needed, use separate circuits with one DCDC750 on each circuit. If one circuit is desired, see DCDC750BC datasheet.

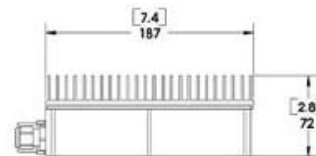
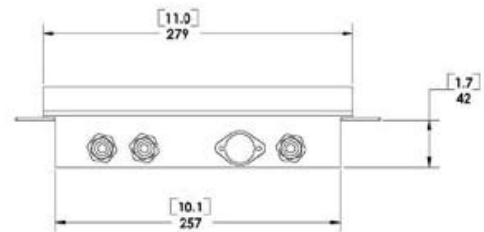
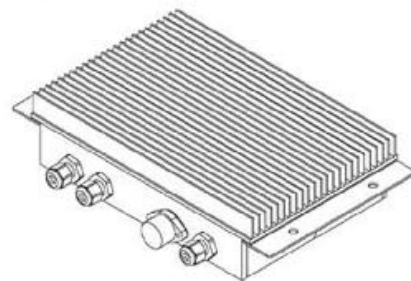
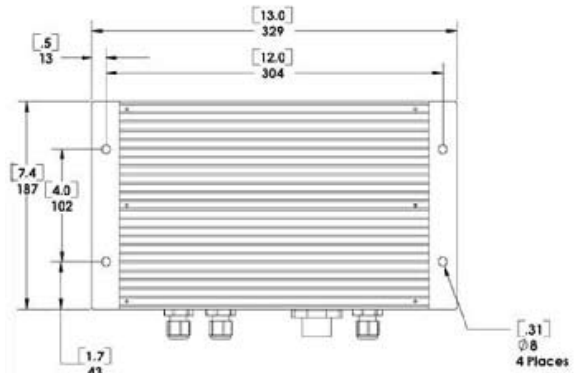
## Available & Custom Options

- 100CFM cooling fan with mounting brackets (helps maintain high output power)
- Interface package includes mating connectors and mounting hardware.

An engineering fee applies to all customized orders.

## Specifications

Output Voltages	12V
Input Voltages	100-200V 150-250V 200-400V
Output Power	750W
Efficiency	85-90%
Current Peak @12V	63A
Weight	3.1kg
Dimensions (without fan)	329mm x 72mm x 187mm
Operating Temperatures	-25°C to +85°C



Notes: Dimensions in Millimeters (Inches)

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For further information on AZD's Force Drive Systems contact Beth Silverman, Sales Manager  
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