



DC42-50L DC-DC Converter

For Electric, Hybrid Electric, and Fuel Cell Powered Vehicles



A compact design that incorporates:

- ◆ **2.1 kW Power Output**
- ◆ **High Efficiency**
- ◆ **Over Temperature Shutdown**
- ◆ **Output Over Voltage Protection**



DC42-50L DC-DC Converter		
Dimensions		
Length	13.25 in	337 mm
Width	7.60 in	193 mm
Height	2.38 in	60 mm
Weight	9.0 lb	4.1 kg
Performance		
Power Output (peak)	2.8 hp	2.1 kW
Efficiency	Up to 90%	
Standby power consumption	20 W	
Operating Voltage		
Nominal input voltage	350 VDC	
Operating voltage input range	250 to 425 VDC	
Input under voltage lockout	230 VDC	
Input current limitation	9.2 A	
Nominal output voltage	42 VDC	
Nominal output current	50 A	
Liquid Cooling System		
Minimum coolant flow	4 l/min (50/50 water/glycol mix)	
Maximum inlet temp of coolant	167 °F	75 °C

(All data subject to change without notice)

Key Features

- Over Temperature Shutdown
- Liquid Cooling
- 3000 VAC Isolation
- Light weight and Compact
- Automatic Current Limiting
- Low Standby Power

DC42-50L Dimensions

