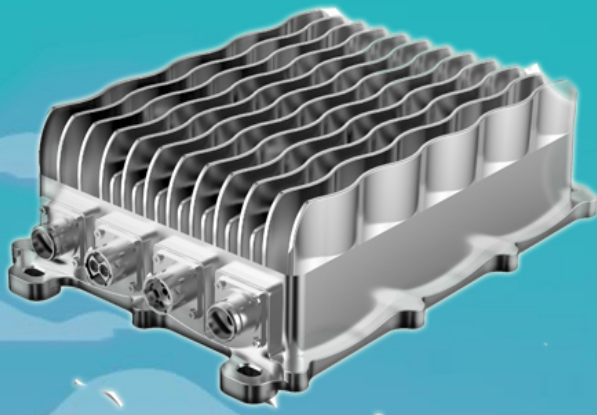


# EV DC to DC Converter

## MODEL VDD302S360-14

### 3KW



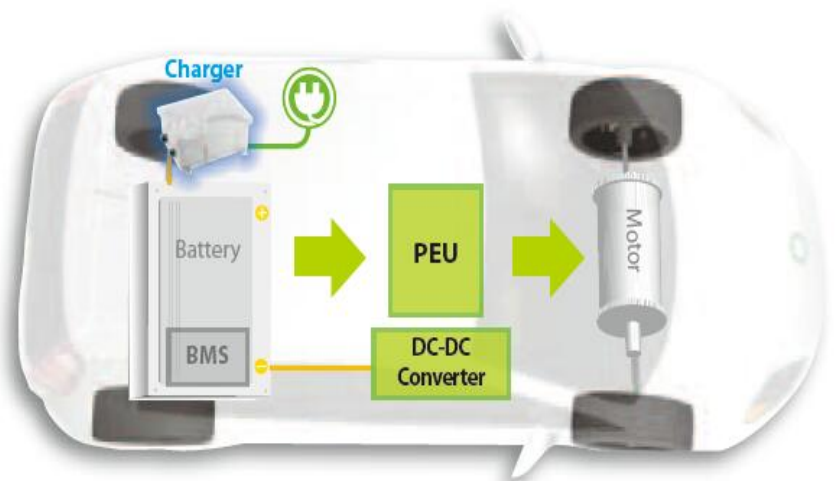
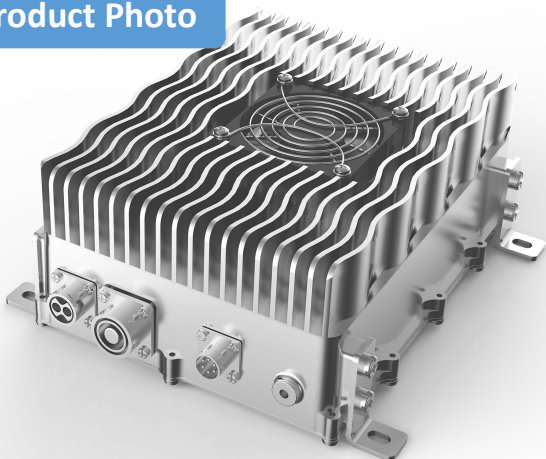
Electric vehicles normally use low voltage service batteries (12, 24, 48VDC) to supply the board instrumentation. The easier system to charge and aid the board battery is to connect in parallel a power supply with an appropriate output voltage. The biggest power source on the vehicles are normally the traction batteries with an higher voltage, so we have to reduce an high DC voltage to a lower DC voltage. This is the VDD302S360-14 DC/DC converter object.

The VDD302S360-14 DC/DC Converter is suitable for all electric powered vehicles and is designed to be fitted on-board the vehicle and connected permanently to the battery. This fully encapsulated converter deliver a stable isolated high power, low voltage DC supply for accessories such as lights, horns, and wipers. This eliminated inefficient battery taps and fragile, expensive high voltage accessories.

### Key Features

- High Frequency: silent operation
- Output power: 3000W
- Protection from short circuit, overload and reverse polarity
- Fully isolated
- IP67 protection
- CAN-bus communication
- Integrated fuse holder
- Power status indicator

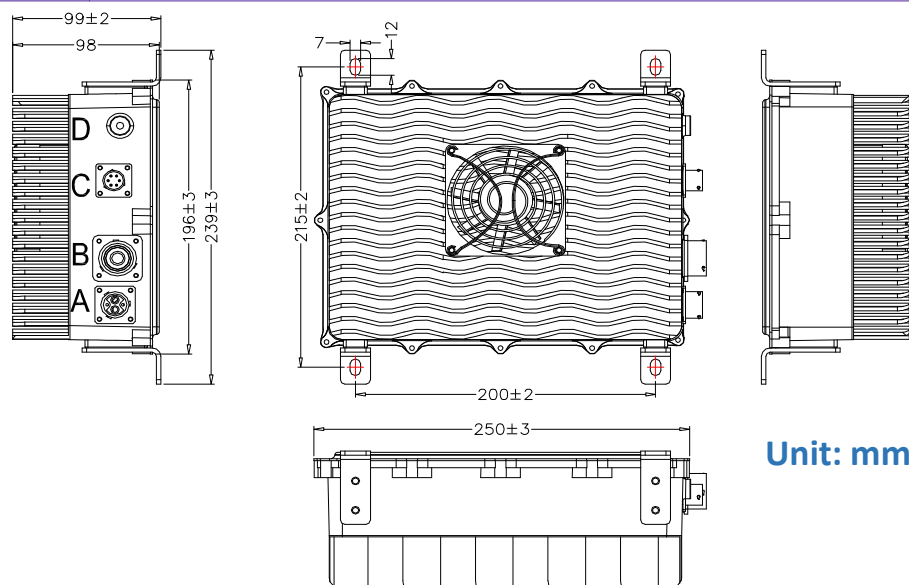
### Product Photo



# VDD102S360-14 SPECIFICATIONS

Item	Specifications
<b>Output</b>	
Output Power	3KW
Nominal Voltage Range	12Vdc
Output Current	0-215A
Peak Power	3.6KW
<b>Input</b>	
Operating Input Range	200-420Vdc
Maximum Input Current	11A
Frequency Range	50/60Hz
Efficiency	≧ 94%
<b>Mechanical</b>	
Cooling	Air-cooling
Dimension	250x196x98mm; 9.8x7.7x3.9"
Weight	2.5kg; 5.5lbs
Operating Temperature	- 40~60°C
Operating Ambient Temperature	- 40~75°C
Storage Temperature	- 40~95°C
Relative Humidity (non-condensing)	≧ 85%
Attitude	≧ 2000m
<b>Regulation</b>	
Environment	IP67, IEC60068, CNS15454
Emission	IEC 1000/IEC 801-2,3,4/IEC 255-4
<b>Communication</b>	
Interface	CAN BUS/Enable control
<b>Protection</b>	
Input Protection	Surge protection
	Short circuit protection
	Over voltage protection
	Under voltage protection
	Input Fuse over current protection
Output Protection	Short circuit protection
	Over load protection
	Reverse priority protection
	Over voltage protection
	Over temperature protection
	Current limit protection
	Output fuse over current protection

Dimensions



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