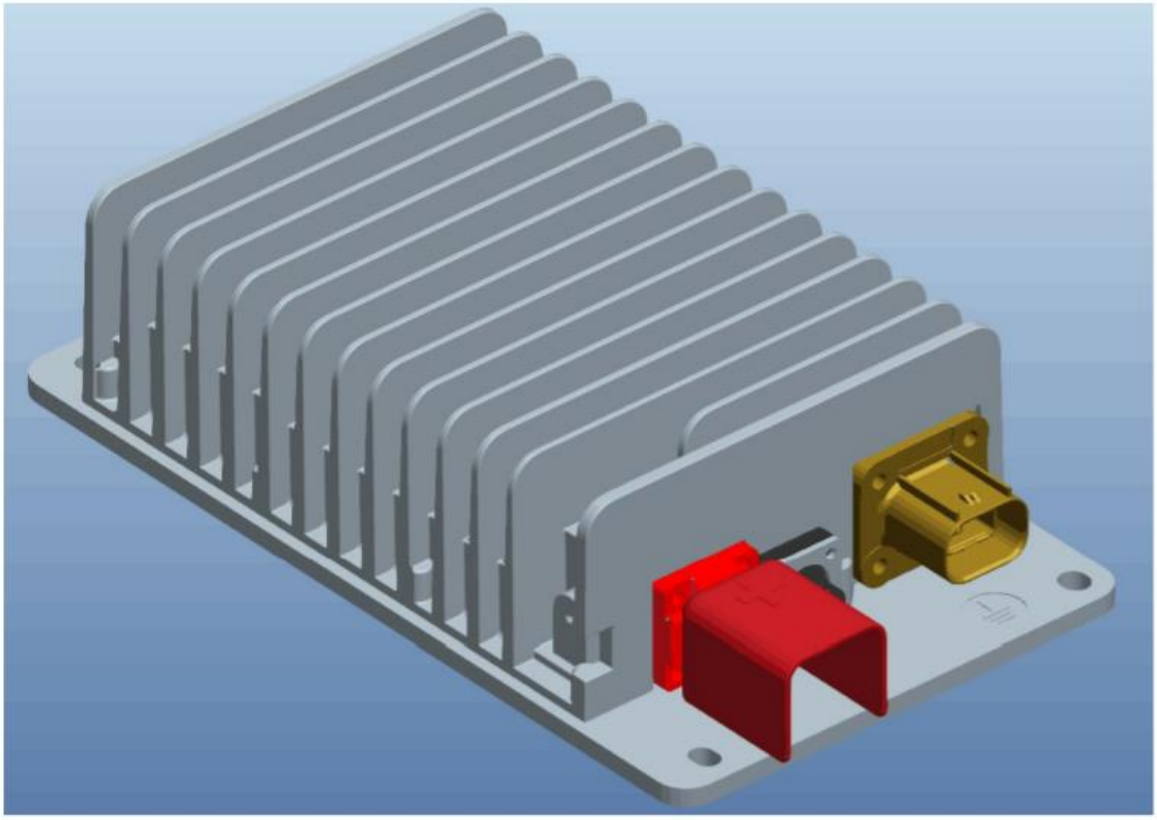
1.0 KW DCDC



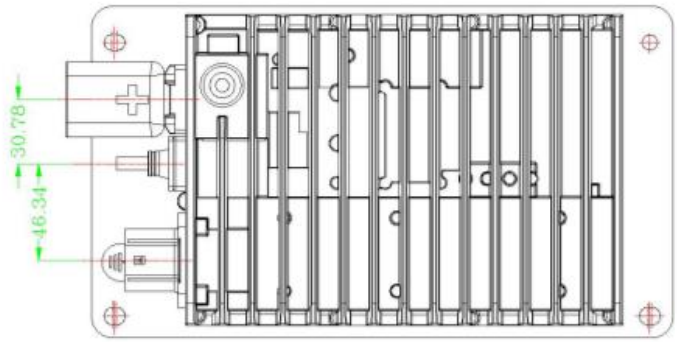
Models

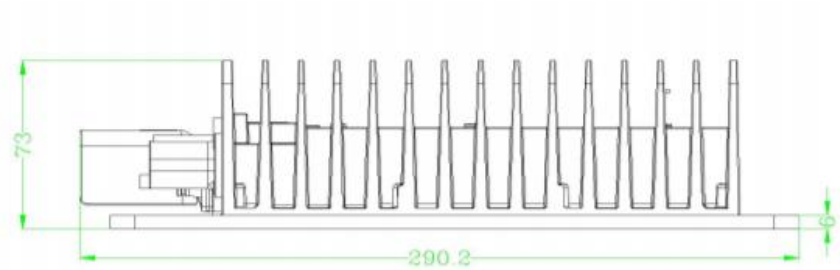
Model	Input Voltage Range	Nominal Current
DCDC206-454	206-454V	3.5A
DCDC72-138	72-138V	15A

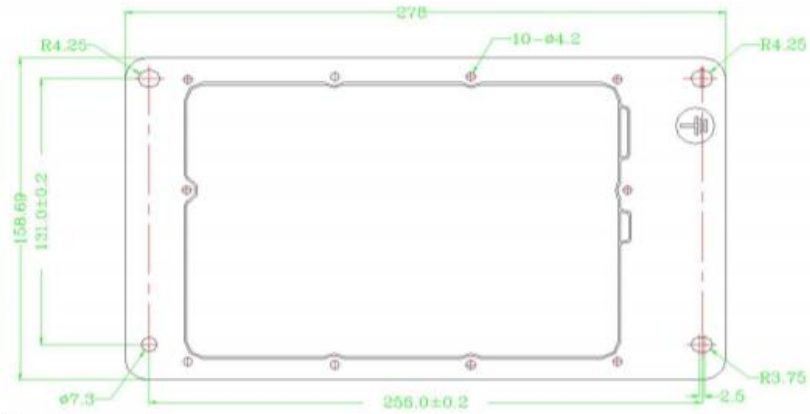
Specification

Output	**Output Mode**	Constant Voltage
	Output Voltage	14.0V
	Rated Current	72A
	CV Accuracy	+/- 1%
	Maximum Current	85A
Input	**Voltage**	Model Dependent
	Max Current	Model Dependent

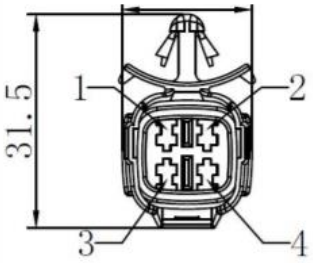
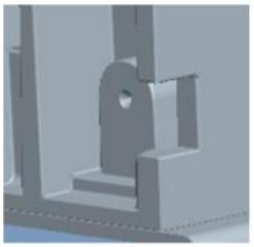
Installation

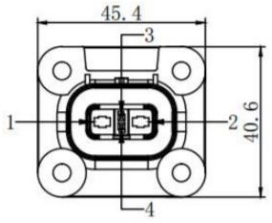




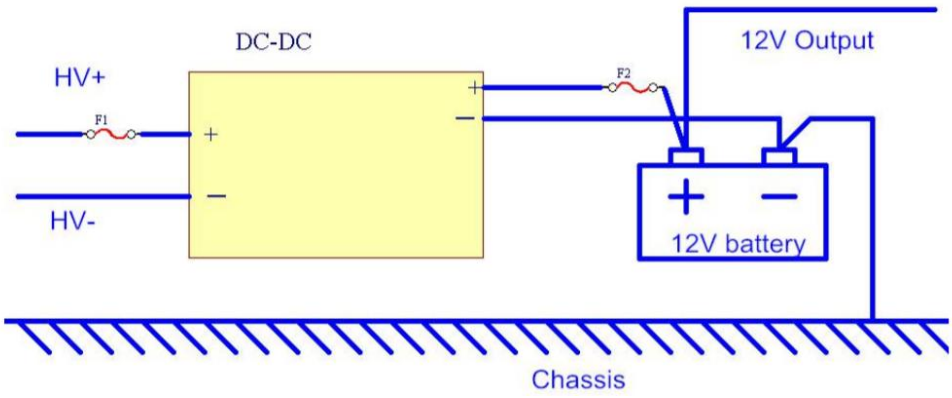


Connections

Signal	1-Enable 2-Failure Signal 3-HVIL 4-HVIL	PP0427303	/	THB	
DC Output +	M8 Threaded hole	/	/	/	
DC Output -	outer hexagonal flange M8 pole	/	/	/	

Interface	Terminal Definition	Connector Socket	Connector Plug	Brand	Sectional View
Input Connector	1-DC+; 2-DC-; 3-HVIL 4-HVIL	2103124-4	2103177-4	Tyco	

Wiring and Fusing



Both the HV and LV side needs a fuse. For the HV side a fuse size of 40-50Amp is recommended.

The low voltage side 100Amp is recommend.

Function

To activate the DCDC must have HV voltage and 12V battery connections.

To activate 12V must be applied to pin 1 of the signal connector, the Enable line.

To de activate remove the 12V signal from pin 1 of the signal connector.

Protection

If the HV voltage is outside the specified range the DCDC will stop to operate.

Failure signal

Pin 2 goes to 12V/battery voltage when the DCDC is functioning, if there is a fault or the DCDC stops functioning it goes low/to ground.