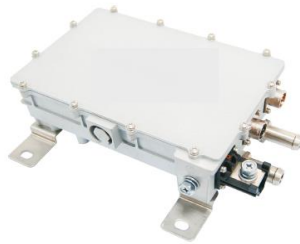


Model No. : ATD2K-380S14-W
 Product Name : 2KW DC/DC Converter-Liquid



2KW DC/DC Converter Liquid cooling System

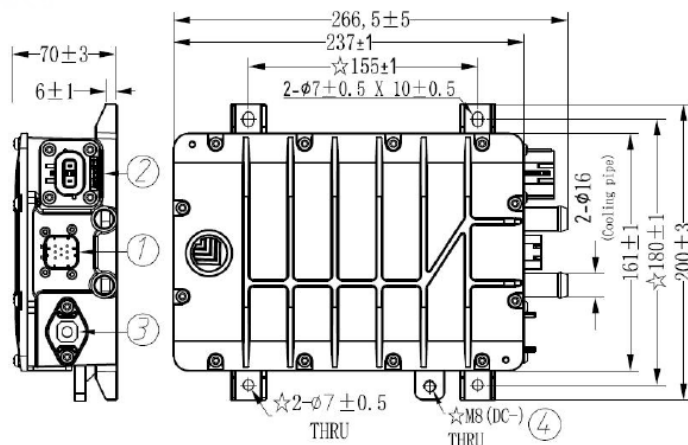
Features

- 1 Output Power : 2KW
- 2 Input Voltage : 250~450VDC
- 3 Output Voltage : 13.8VDC
- 4 Dimensions : 237x161x70mm
- 5 Cooling System : Liquid
- 6 Protection Level : IP67
- 7 Communication Method : CAN-BUS
- 8 Enclosure: Aluminum alloy made
- 9 Software: Digital software design

Specification

Description	Technical specifications	Remark
Operating temperature	-40~85°C	Coolant inlet temperature
Rated output power	2KW	Peak power 2.4KW
Input voltage range	250~450VDC	
Output rated voltage	13.8VDC	Adjustable
Rated output current	145A	
Auxiliary power VCC	9~18VDC	VCC
Efficiency	≥95%	Rated voltage
Output voltage ripple	≤500mV _{PK-PK}	
Output voltage accuracy	±1%	
Wake-up method	CAN, hard wire	
Communication method	CAN-BUS	
Quiescent Current	≤2mA	Consume battery current in sleep/stop state
Protection characteristics	Input over and under voltage, output over and under voltage, input anti-reverse connection, output over current and short circuit protection, over temperature protection	
EMC characteristics	GB/T 18655-2010	
Dimensions	237x161x70mm	
Cooling System	Liquid cooling, flow ≥6L/min	
Protection Level	IP67	
Weight	≤3KG	

Structural parameters





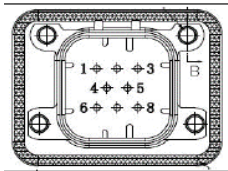
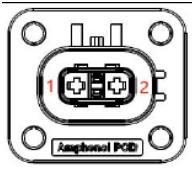
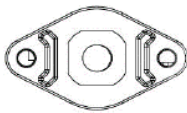
Model No. : ATD2K-380S14-W

Product Name : 2KW DC/DC Converter-Liquid

Connector model

Position	Socket model	Function	Brand	Plug model
1	GVT03-RS013-8-L02	Signal Control	gvtong	GE01-P008-8NNB
2	HVSL282022FND	DC input	Amphenol	HVSL282062F104IND
3	GH01-F200-1NNB-T21	Output positive	gvtong	M8 specification copper lug
4	M8 bolt lock housing	Output negative	/	M8 specification copper lug

Interface definition

Control terminal (1)		DC input (2)		Output positive (3)	
					
A	CANH	A	Input +	+	Output +
B	CANL	B	Input -		
C	KEY (connect ON file)	1	HVIL_IN		
D	VCC+ (connect to 12V normal power)	2	HVIL_OUT		
E	GND				
F	HVIL_IN				
G	HVIL_OUT				
H	NC				

