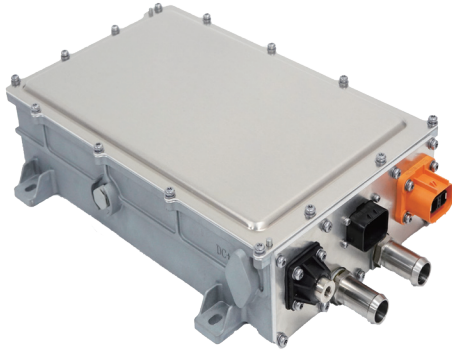




6KW DC/DC Converter-Liquid Model No. ATD6K-540S27-W



Features

- 1 Output Power: 6KW
- 2 Input Voltage: 400~750VDC
- 3 Output Voltage: 27.5VDC
- 4 Dimensions: 326x211x83mm
- 5 Weight: ≤5KG
- 6 Cooling System: Liquid, flow rate ≥12L/min
- 7 Protection Level: IP67
- 8 Communication Method: CAN-BUS
- 9 Enclosure: Aluminum alloy
- 10 Software: Digital software design

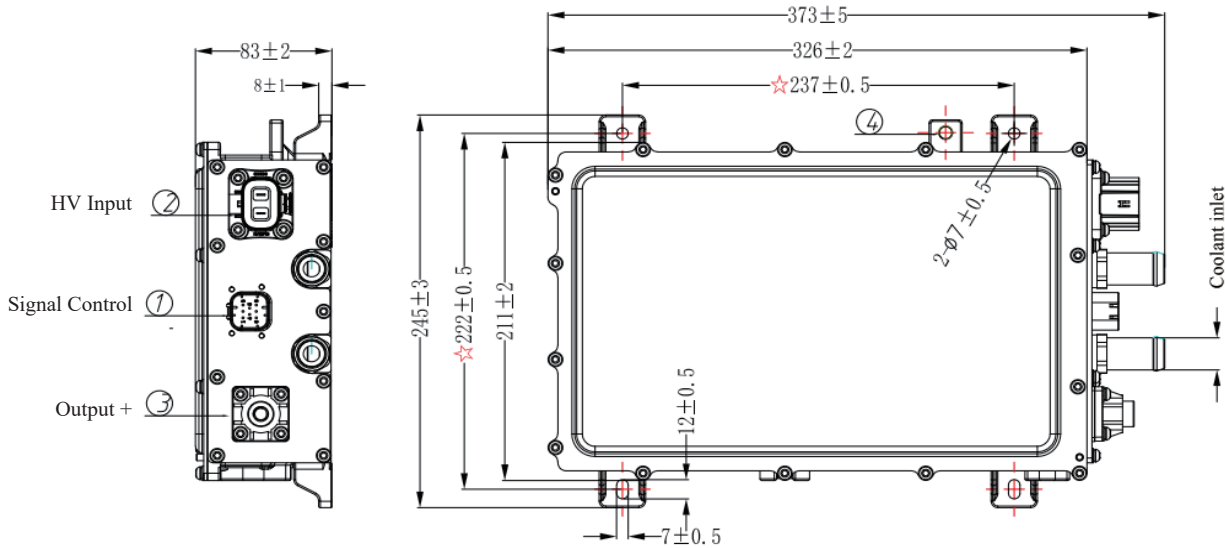
Specification

Description	Technical Specification	Remark
Operating Temperature	-40~85°C	Coolant inlet temperature
Rated Output Power	6KW	
Input Voltage Range	400~750VDC	
Rated Output Voltage	27.5VDC	Adjustable
Rated Output Current	218A	
Auxiliary Voltage Range	9~32VDC	VCC
Efficiency	≥95%	Rated voltage
Output Voltage Ripple	≤500mV _{PK-PK}	
Output Voltage Accuracy	±1%	
Wakeup Method	CAN 、hard wire	
Communication Method	CAN-BUS	
Quiescent Current	≤2mA	Battery current will be consumed in sleep/standby mode
Protection Characteristics	Input OVP/UVP, output OVP/UVP, input anti-reverse protection, output short circuit protection, OCP, OTP	
EMC	GB/T 18655-2010 Class 3	



6KW DC/DC Converter-Liquid Model No. ATD6K-540S27-W

Structural Parameters (unit : mm)



Connector Model

Position	Function	Brand	Socket Model	Plug Model
1	Signal control	Gvtong	GVT03-RS013-14-L02	GE01-P008-14NNB-Y01
2	HV input	Amphenol	HVC2P63MV406	HVC2P63FS406
3	Output +	CNNT	ACTB135P-GY-M6	M8 Screw
4	Output -	/	M8 Bolt	M8 Screw

Interface Definition

Signal Control(1)		HV Input(2)		HV Output(3)	
1	CAN-H	1	Input +	+	Output +
2	CAN-L	2	Input -		
3	KEY(connect on file)	A	HVIL_IN		
4	VCC+(connect to 12V power supply)	B	HVIL_OUT		
5	GND				
6	HVIL_IN				
7	HVIL_OUT				
8	CAN2-H				
9	CAN2-L				
10-14	NC				