

6kW Liquid Cooled DC/DC

LWD6K-540S27-W

Product Features

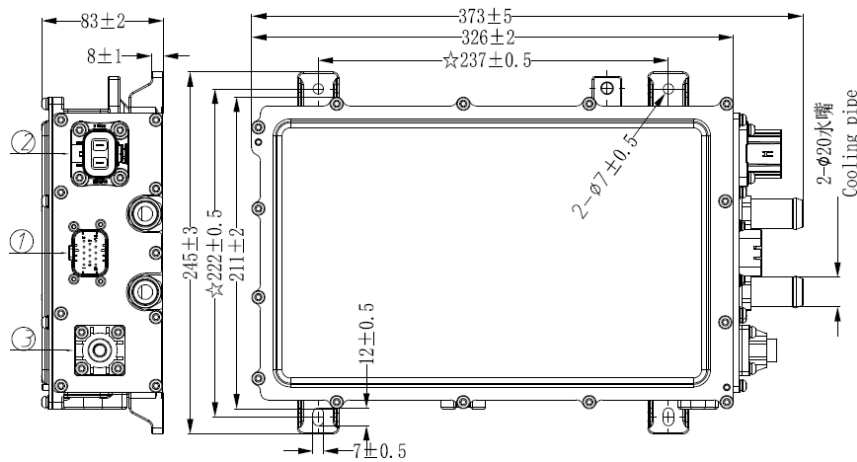
- ◆ Body size: 326x211x83mm
- ◆ Weight: ≤5KG
- ◆ Cooling method: Liquid cooled, Flow rate≥12L/min
- ◆ IP rating: IP67
- ◆ Support on-line upgrading and fault diagnosis
- ◆ Full digital software design, Redundant protection function design



Main Technical Parameters

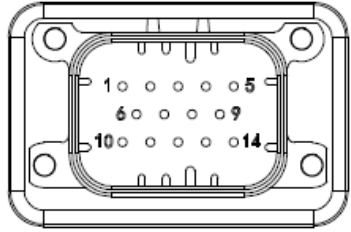
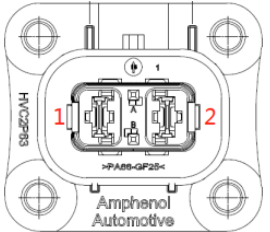
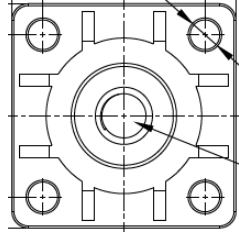
Items	Technical Parameters	Remarks
Operation temperature	-40-85℃	
Nominal output power	6KW	Peak: 6.5KW
Input voltage range	400-750VDC	
Output voltage range	27.5VDC	Adjustable
Nominal output current	218A	
Auxiliary power	9-32VDC	VCC
Efficiency	≥95%	Typical efficiency
Output voltage ripple	≤500mV _{PK-PK}	
Output Voltage accuracy	±1%	
voltage wake-up	CAN、KL15(Hardwire)	
CAN communication	CAN-BUS	
Static current	≤2mA	Sleep mode/Battery current consumption under stop status
EMC standard	GB/T 18655-2010	
Protections	Input OVP/UVF, output OVP/UVF,OTP, input reverse protection, output short-circuit protection, OCP, OTP,	

Dimension



Item	Function	Brand	P/N Male Side	P/N at Harness Side
A	Control signal	GUOWEITONG	GVT03-RS013-14-L02	GE01-P008-14NNB-Y01
B	HV input	Amphenol	HVC2P63MV406	HVC2P63FS406
C	Output +	GUOWEITONG	GH0-C300-1NNB-H001	M8 Bolt
D	Output -	\	M8	M8 Bolt

Connector definition

Control signal (A)		HV input (B)		Output + (C)	
					
1	CAN1H	1	Input +	+	Output +
2	CAN1L	2	Input -		
3	KEY (ON)	A	HVIL_IN		
4	VCC+(12V constant power supply)	B	HVIL_OUT		
5	GND				
6	HVIL_IN				
7	HVIL_OUT				
8	CAN2H				
9	CAN2L				