



3KW DC/DC Converter-Fan Cooling Model No. ATD3KB-380S27-A



Features

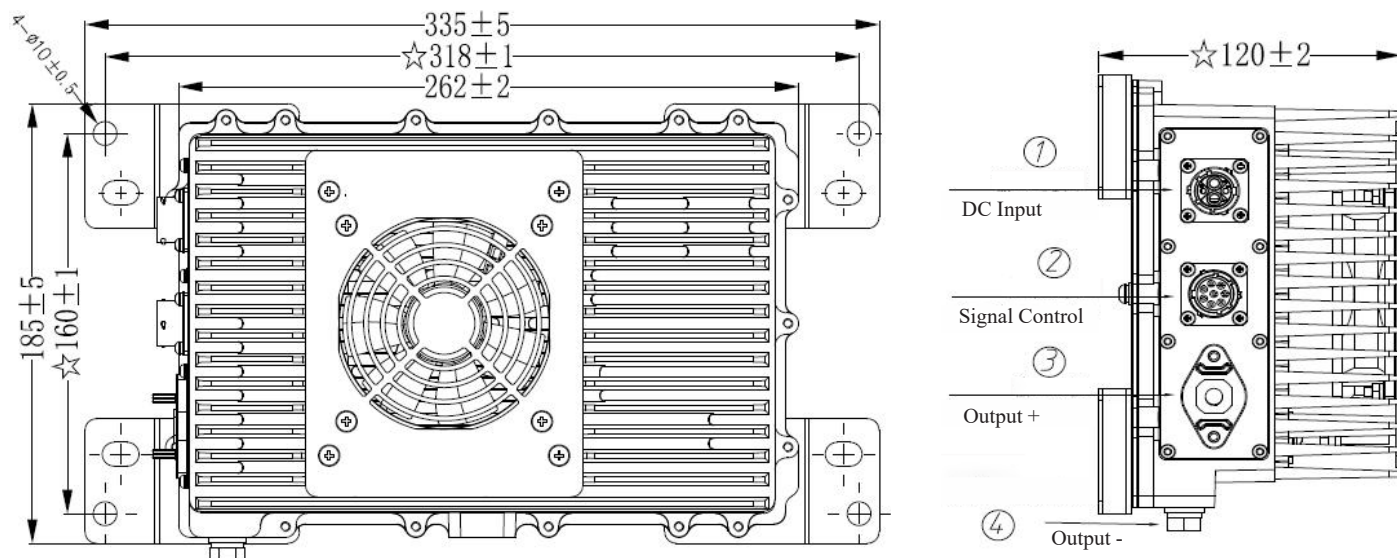
- 1 Output Power: 3KW
- 2 Input Voltage: 200~450VDC
- 3 Output Voltage: 27.5VDC
- 4 Dimensions: 262x180x120mm
- 5 Weight: ≤4.8KG
- 6 Cooling System: Fan
- 7 Ingress Protection Level: IP67
- 8 Communication Method: CAN BUS
- 9 Enclosure: Aluminum alloy
- 10 Software: Digital software design

Specification

Description	Technical Specification	Remark
Operating Temperature	-40~85°C	Air inlet ambient temperature
Rated Output Power	3KW	Peak power: 3.6KW
Input Voltage Range	200~450VDC	
Rated Output Voltage	27.5VDC	Adjustable
Rated Output Current	110A	
Auxiliary Voltage Range	9~32VDC	VCC
Efficiency	≥95%	Rated voltage, specific load
Output Voltage Ripple	≤500mV _{PK-PK}	
Output Voltage Accuracy	±1%	
Wakeup Method	CAN, hard wire	
Communication Method	CAN-BUS	
Quiescent Current	≤2mA	Battery current 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	

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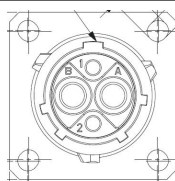
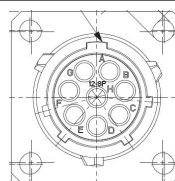
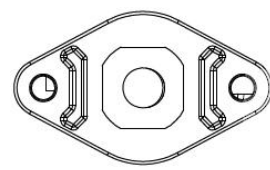
Structural Parameters (unit : mm)



Connector Model

Position	Function	Brand	Socket Model	Plug Model
1	DC Input	Amphenol	RT00122PN03	RT06122SNHEC03
2	Signal control	Amphenol	RT00128PN03	RT06128SNHEC03
3	Output +	Gvtong	GH01-F200-1ANB-T21	M8 Screw
4	Output -	/	M8 Screw hole	M8 Screw

Interface Definition

DC Input(1)		Signal Control(2)		Output Positive(3)	
					
A	Input +	A	CANH	+	Output +
B	Input -	B	CANL		
1	NC	C	Enable		
2	NC	D	VCC +		
		E	GND		
		F	HVIL_IN		
		G	HVIL_OUT		
		H	NC		