



Model No. : ATD3K-540S27-A
Product Name : 3KW DC/DC Converter-Fan



3KW DC/DC Converter fan cooling System

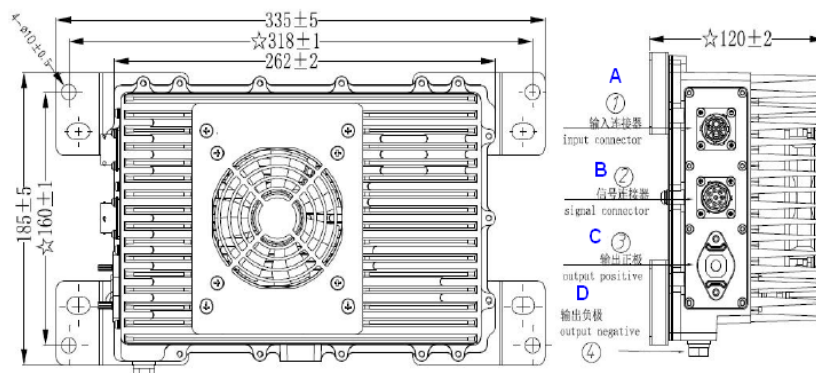
Features

- 1 Output Power : 3KW
- 2 Input Voltage : 400~750VDC
- 3 Output Voltage : 27.5VDC
- 4 Dimensions : 262x180x120mm
- 5 Cooling System : Fan
- 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	3KW	Peak power 3.6KW
Input voltage range	400~750VDC	
Output rated voltage	27.5VDC	Adjustable
Rated output current	110A	
Auxiliary power VCC	9~32VDC	VCC
Efficiency	≥95%	Rated voltage
Output voltage ripple	≤500mVPK-PK	
Output voltage accuracy	±1%	
Wake-up method	hard wire, high voltage	
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	262x180x120mm	
Protection Level	IP67	
Weight	≤4.8KG	

Structural parameters

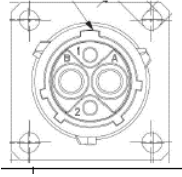
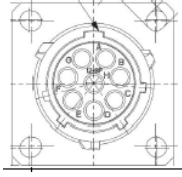
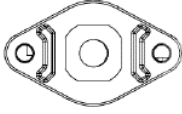


Connector model

Position	Function	Brand	Socket model	Plug model
A	Signal Control	Amphenol	RT00128PN03	RT06128SNHEC03
B	HV DC input	Amphenol	RT00122PN03	RT06122SNHEC03
C	Output +	GUOWEITONG	GH01-F200-1ANB-T21	M8 specification copper lug
D	Output -	/	M8	M8 Bolt



Interface definition

HV DC input (A)		Signal Control (B)		Output + (C)	
					
A	Input +	A	CANH	+	Output +
B	Input -	B	CANL		
1	NC	C	Enable		
2	NC	D	VCC+ (12V constant power supply)		
		E	GND		
		F	HVIL_IN		
		G	HVIL_OUT		
		H	NC		

