



**Model No. : ATD300-540S24-N**

**Product Name : 300W DC/DC Converter Natural Cooling System**



300W DC/DC Converter Natural Cooling System

**Features**

- 1 Output Power : 300W
- 2 Input Voltage : 200~800Vdc
- 3 Output Voltage : 24 VDC
- 4 Dimensions : 208x129x45mm
- 5 Cooling System : Natural cooling
- 6 Communication Method : CAN-BUS

**Applications**



Electric Passenger Vehicles    Electric Commercial Vehicles

**Specification**

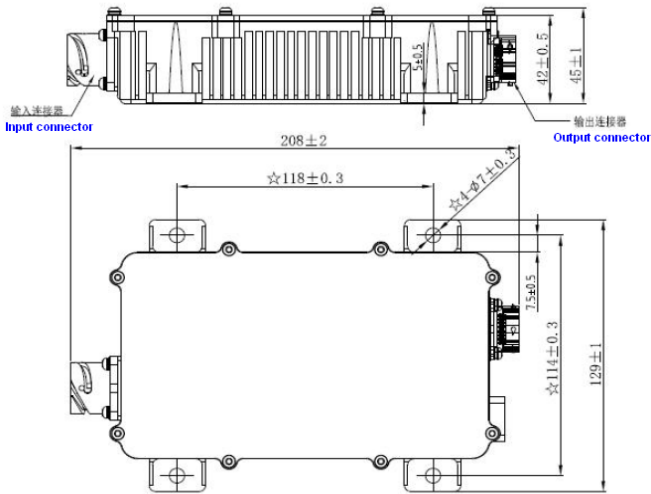
Description	Technical specifications	Remark
Operating temperature	-40~85°C	Aluminum temp.
Rated output power	300W	Peak power 360W
Input voltage range	200~800Vdc	
Output voltage range	24 VDC	Adjustable
Rated output current	12.5 A	
Auxiliary power	9~32VDC	VCC
Efficiency	≥95%	Rated voltage
Output voltage ripple	≤500mV <sub>PK-PK</sub>	
Output voltage accuracy	±0.5VDC	
voltage wake up	CAN、KL15	
CAN communication	CAN-BUS	
Quiescent Current	≤5 mA	Sleep mode/Battery current consumption under stop status
EMC characteristics	GB/T 18655-2010	
Protection characteristics	Input OVP/UVP, output OVP/UVP,OTP, input reverse protection, output short circuit protection, OCP, OTP,	
Dimensions	208x129x45mm	
Cooling System	Natural cooling	
Weight	≤1.5KG	





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Structural parameters



Connector model

Position	Socket model	Function	Brand	Plug model
A	L52-STP083-12P-W	Control Side	LeadWay	L52-STP063-12S-W
B	L52-BT6106-09PX-C	HV input	LeadWay	L52-BT6105-09SX-C

Interface definition

HV input		Control Side			
A	HV Input +	A	Output 12V+ /25A	G	ALARM (Output high potential, signal alarm)10mA
B	HV Input -	B	Output 12-/25A	H	CANL(CANL)/100mA
		C	Output 12V-/25A	J	CANH(CANH)/100mA
		D	Output 12+/25A	K	Output 12-/25A
		E	AUX1(Aux1)/20mA	L	Output 12+/25A
		F	DISABLE(No output12V)/20mA	M	AUX2(AUX2)/20mA