

**Model No. : LWD300-540S24-M**  
**Product Name : 300W DC/DC Converter-Module**



300W DC/DC Converter-Module

**Features**

- 1 Output Power : 300W
- 2 Input Voltage : 200~800Vdc
- 3 Output Voltage : 24 VDC
- 4 Dimensions : 178 x 90x 33mm
- 5 Cooling System : Module
- 6 Communication Method : CAN-BUS

**Applications**



Electric Passenger Vehicles



Electric Commercial Vehicles

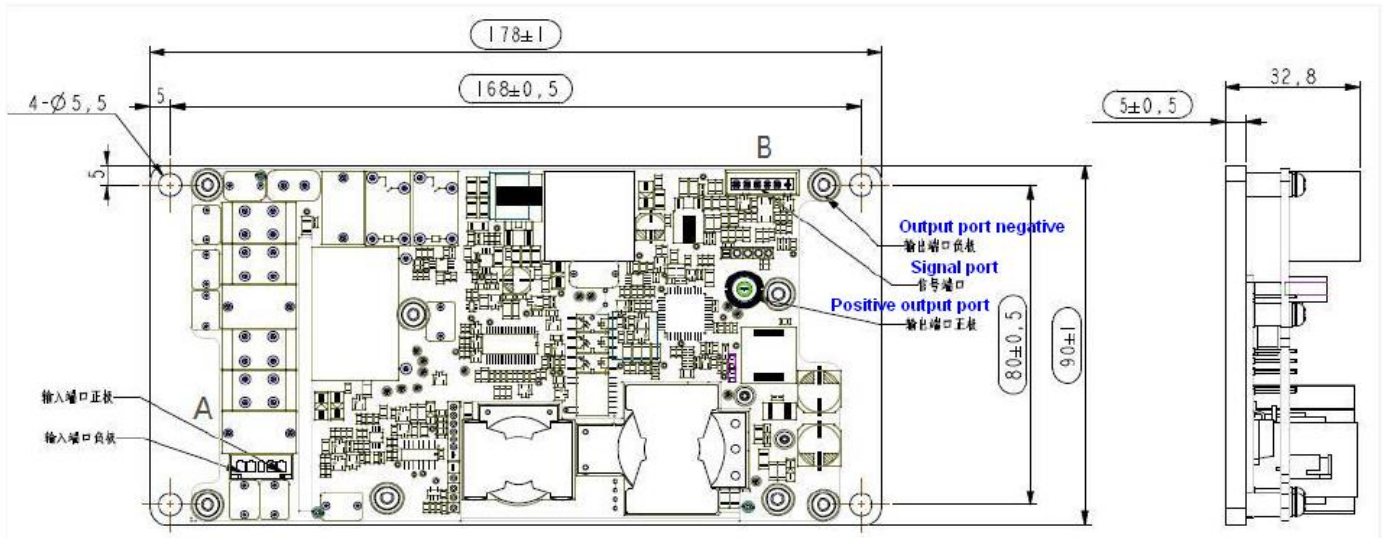
**Specification**

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	178 x 90x 33 mmmm	
Cooling System	by aluminum	
Weight	≤0.5KG	



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**Structural parameters**



**Connector model**

Position	Socket model	Function	Brand	Plug model
A	B5B-XH-A	HV Input	JST	XHP-5 Pin: SXH-001T-P0.6N)
B	B6B-XH-A	Signal Connector	JST	XHP-6 Pin: SXH-001T-P0.6N)

**Interface definition**

B5B-XH-A (A)		B6B-XH-A (B)	
1	VIN+	1	ALARM (Reporting status)
2	NA	2	CANL
3	NA	3	CANH
4	NA	4	DISABLE
5	VIN-	5	AUX1(EN +)
		6	AUX2(EN +)

