

**Model No. : ATD300-540S12-M**  
**Product Name : 300W DC/DC Converter Module**



300W DC/DC Converter-Module

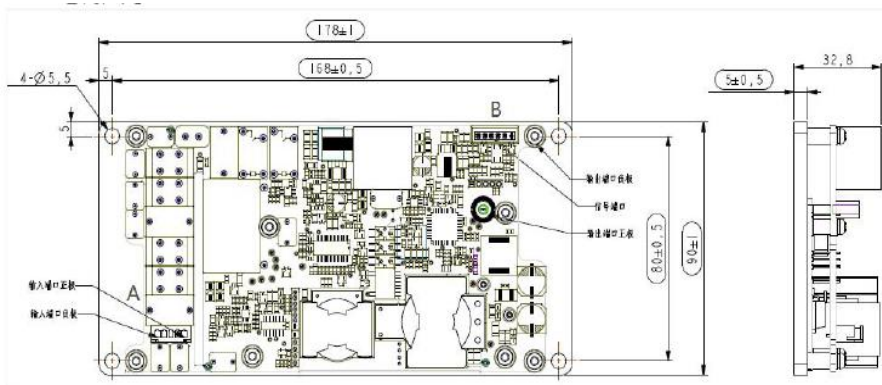
**Features**

- 1 Output Power : 300W
- 2 Input Voltage : 200~800VDC
- 3 Output Voltage : 12VDC
- 4 Dimensions : 178x90x33mm
- 5 Cooling System : Bottom plate conductive heat dissipation
- 6 Communication Method : CAN-BUS

**Specification**

Description	Technical specifications	Remark
Operating temperature	-40~85°C	ambient temperature
Rated output power	300W	Peak power 360W
Input voltage range	200~800VDC	
Output rated voltage	12VDC	
Rated output current	25A	
Auxiliary power VCC	9~32VDC	VCC
Efficiency	≥92%	Rated voltage
Output voltage ripple	≤500mV <sub>PK-PK</sub>	
Output voltage accuracy	±0.5VDC	
Wake-up method	CAN, hard wire	
Communication method	CAN-BUS	
Quiescent Current	≤5mA	Consume battery current in sleep/stop
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	178x90x33mm	
Weight	≤0.5KG	

**Structural parameters**



**Connector model**

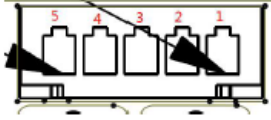
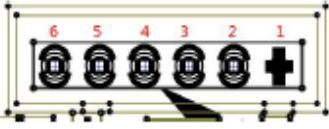
Position	Function	Brand	Socket model	Plug model
A	HV DC input	JST	B5B-XH-A	XHP-5(PIN: SXH-001T-P0.6N)
B	Signal Control	JST	B6B-XH-A	XHP-6(PIN: SXH-001T-P0.6N)

**Interface definition**



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HV DC input (A)		Signal Control (B)	
			
1	VIN+	1	ALARM (Status upload)
2	NA	2	CANL
3	NA	3	CANH
4	NA	4	DISABLE
5	VIN-	5	AUX1 (Enable +)
		6	AUX2 (Enable -)

