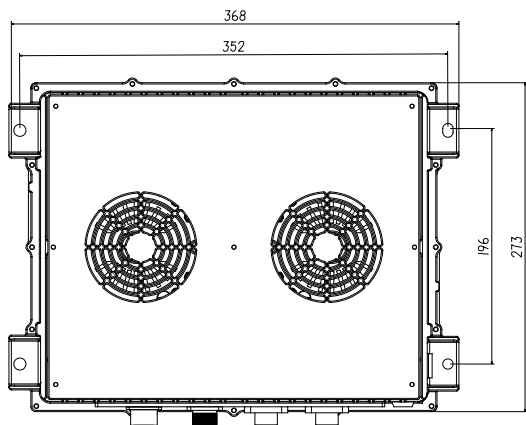




6KW DCDC Converter-Fan Model No. ATD-6KW540S24-RD6P0540-27-F

Features

- 1 Output Power: 6KW
- 2 Input Voltage Range: 400~900VDC
- 3 Output Voltage Range: 27VDC
- 4 Dimensions: 368 x 273 x 112mm
- 5 Weight: 11.5Kg±0.3KG
- 6 Cooling System: FAN
- 7 FuSa ASIL C: Compliant
- 8 UDS Diagnostics: Supported (Basic SID)
- 9 With Pre-charge & galvanically isolated
- 10 Software: Digital software design
- 11 Online Upgrade & Fault Diagnosis: Supported

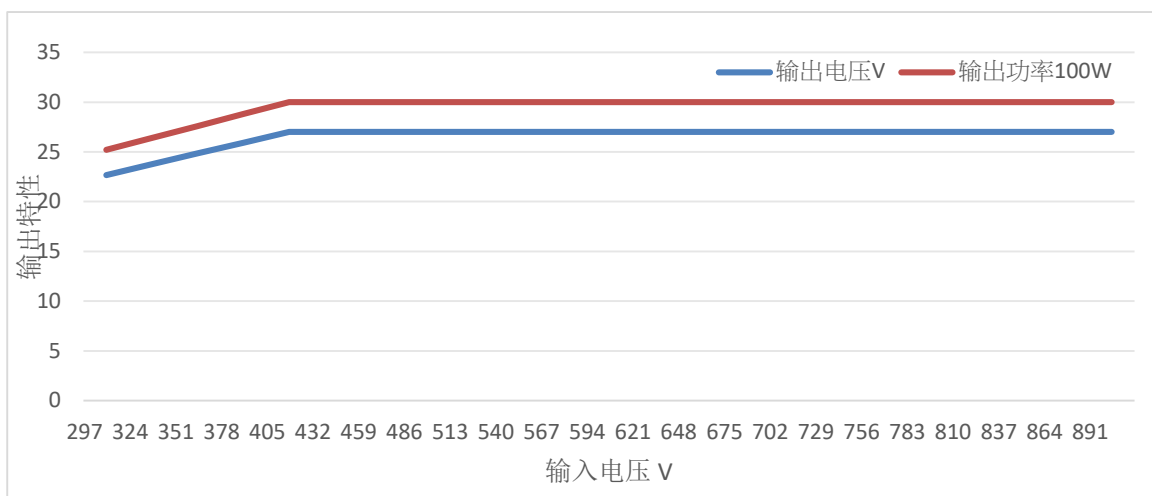


Specification

Description	Technical Specification	Remark
Rated Iutput Voltage	540V	
Input Voltage Range	400~900VDC	
Input Pre-charge	120R	
Efficiency	≥93%	
Output Voltage Range	0~32V	
Rated Output Voltage	27V	
Output Current Range	0~218A	
Rated Power	6KW	
Communication Method	CAN-BUS	
Control method	Hard wire high level enable control; CAN communication enable control	
Voltage stabilization accuracy	±0.4V	
Output response time	≤200mS	
Protection Characteristics	Input OVP/UVP, output OVP/UVP, input anti-reverse connection, output short circuit protection, OCP, OTP	
EMC	EMI: Meet the provisions of Chapter 4 of GB/T17619-1998	
	EMS: See the limits specified in Chapter 12 and Chapter 14 of GB18655-2002	
Operating Temperature	-40°C ~ +85°C	
Storage temperature	-40 ~ +95°C	

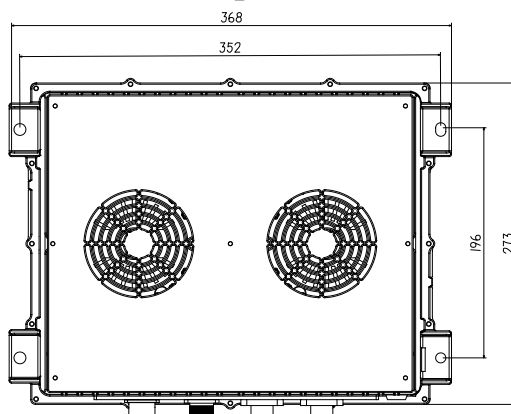


external characteristic curve

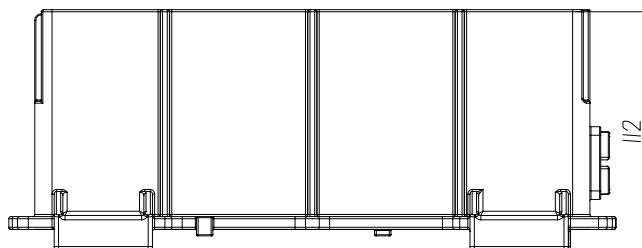


Structural Parameters (unit : mm)

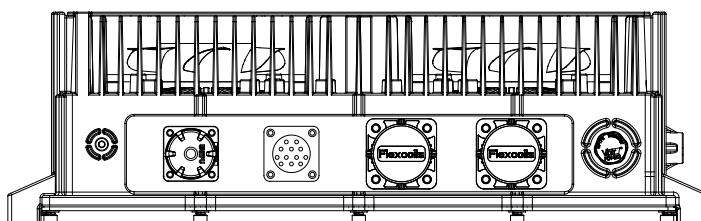
Top view



Front view



Side view

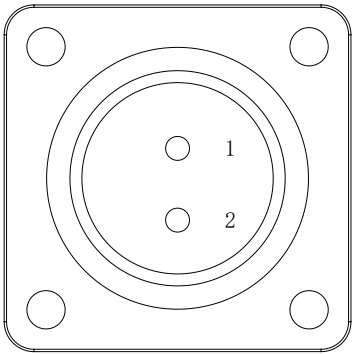
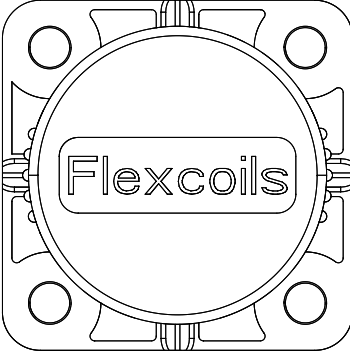
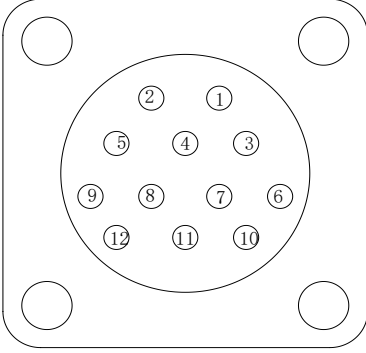




Connector Model

Function	Brand	Socket Model	Plug Model
Signal control	Weipu	WF20K12Z	WF20J12TE
HV Input	Weipu	WF20K2Z	WF20J2TE
LV output	/	YQ-BS400A-M8M8	flange bolts

Interface Definition

HV Input		LV output	
			
Position	Definition	Position	Definition
1	Input +	Red	Output +
2	Input -	Black	Output -
Signal Control			
			
Position	Definition		
1	CANH		
2	CAHL		
3	12V+		
4	GND		
5-12	/		