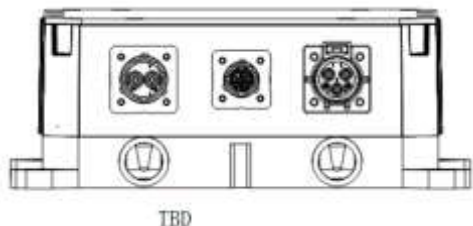




2KW DC/DC Converter-Liquid Model No. ATD2K640S27-2P43P0W



Features

- 1 Output Power: 2KW
- 2 Input Voltage: 400~900VDC
- 3 Output Voltage: 27VDC
- 4 Dimensions: 326 x 244 x 96 mm
- 5 Weight: ≤5.5KG
- 6 Cooling System: Liquid flow ≥6L/min
- 7 IP Rating: IP67
- 8 Communication Method: CAN-BUS J1939
- 9 Enclosure: Aluminum alloy
- 10 With pre-charge & isolated
- 11 Software: Digital software design
- 12 Online Upgrade & Fault Diagnosis: Supported

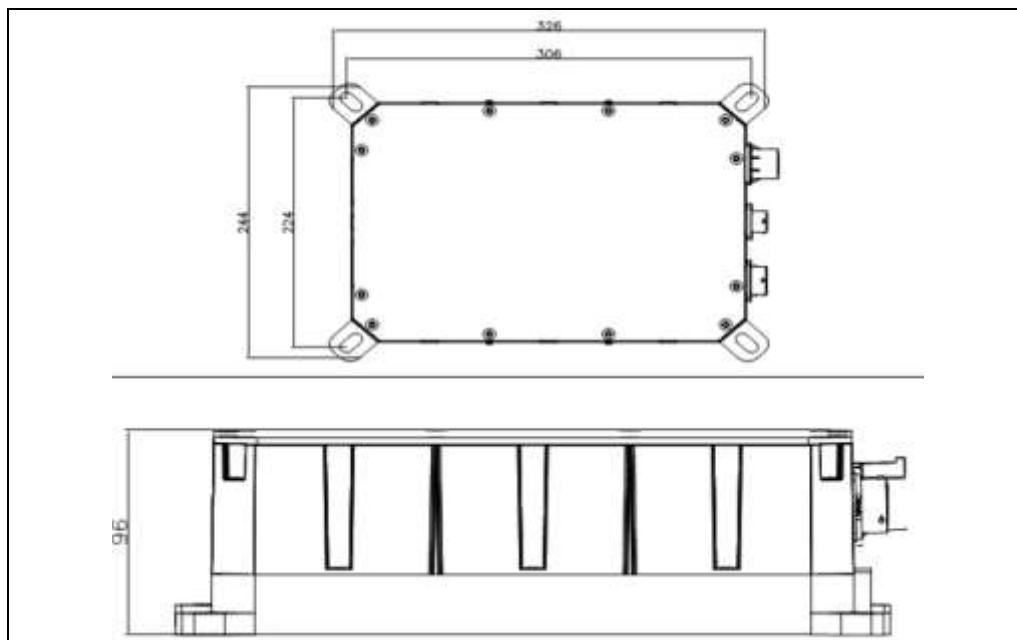
Specification

Description	Technical Specification	Remark
Operating Temperature	-40~85°C	Coolant inlet temperature
Rated Output Power	2KW	Peak power: 2.4KW
Input Voltage Range	400~900VDC	
Rated Output Voltage	27VDC	Voltage Range: 21-36Vdc Adjustable
Rated Output Current	74A	
Auxiliary Voltage Range	21~36VDC	VCC
Efficiency	≥95%	Rated voltage, specific load
Output Voltage Ripple	≤500mV _{PK-PK}	
Output Voltage Accuracy	±1%	
Wakeup Method	KL15(hardwire)	
Communication Method	CAN-BUS J1939	
Quiescent Current	≤2mA	Battery current will be consumed in sleep/standby mode
Protection Characteristics	Input OVP/UVLP, output OVP/UVLP, input anti-reverse connection, output short circuit protection, OCP, OTP	
EMC	GB/T 18655-2010	



2KW DC/DC Converter-Liquid Model No. ATD2K-640S27-2P430W

Structural Parameters (unit : mm)



Connector Model

Position	Function	Brand	Socket Model	Plug Model
1	Signal control	SHANGHAI HUZHENG	FPT20021208PN	FPT60021208SN
2	HV DC input	SHANGHAI HUZHENG	FPT600212A2PN	FPT600212A2SN
3	Output +	SHANGHAI HUZHENG	FSP220160CZ-UM63AJ	FSP600160CZ-25U0A2J
4	Output -	SHANGHAI HUZHENG	FSP220160CZ-UM63AJ	FSP600160CZ-25U0A2J

Interface Definition

Signal Control(1)		HV DC Input(2)		Output Positive(3)	
1	CAN-H	A	Input +	+	Output +
2	CAN-L	B	Input -		
3	KEY (connect ON) 12V OUT				
4	GND)				
5-12	NC				