



Model No. : LWD3K-650S27-M
Product Name : 3KW DC/DC Converter Module



3KW DC/DC Converter Module

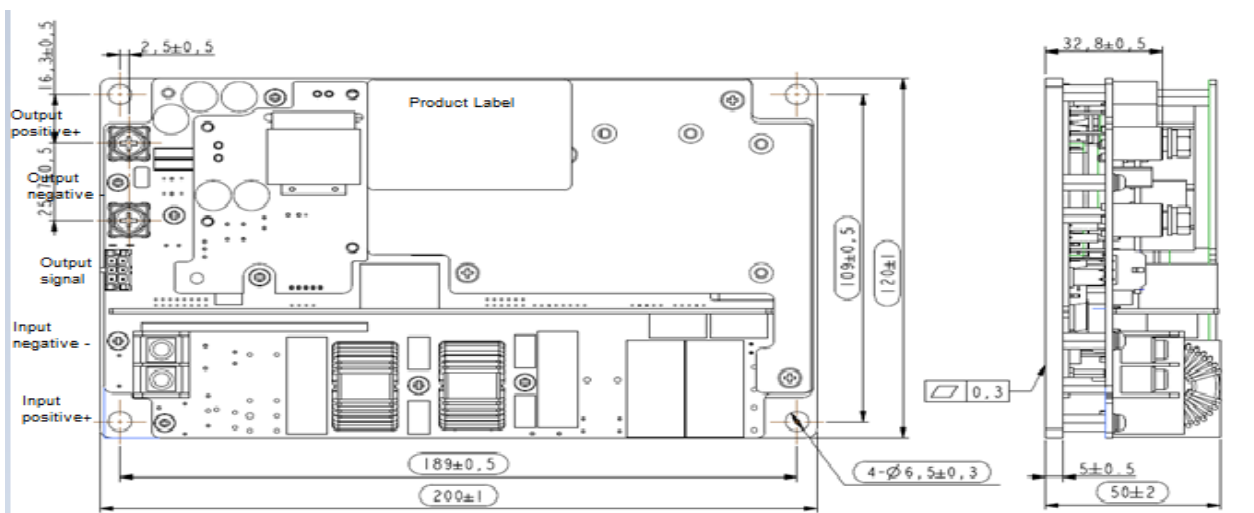
★ Features

- 1 Output Power : 3KW
- 2 Input Voltage : 400~750VDC
- 3 Output rated voltage : 27.5VDC
- 4 Dimensions : 200X120X50mm
- 5 Cooling System : Module
- 6 Communication Method : CAN
- 7 Weight: ≤1.8KG

Specification

Description	Technical specifications	Remark
Rated output power	3KW	Peak power 3.6KW
Input voltage range	400~750VDC	
Output rated voltage	27.5VDC	Adjustable voltage
Rated output current	110A	
External Auxiliary power VCC	9-32VDC	VCC
Efficiency	≥95%	Rated voltage
Output voltage ripple	≤500mV _{PK-PK}	
Output voltage accuracy	± 1%	
Wake up method	CAN, hard wire, high voltage	
Communication method	CAN-BUS	
Quiescent Current	≤2mA	The battery current is consumed in the sleep/stop state.
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	GB/T 18655-2010	
Operating temperature	-40~85°C	
Dimensions	200x120x50mm	
Packaging method	Modular	
Cooling method	Heat sink on the bottom plate	
Weight	≤1.8KG	
CAN byte speed	250Kbps or 500Kbps	

Structural parameters

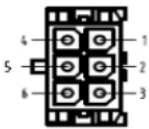


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Connector information

Function	Maker	Receptacle model	Plug model
Control terminal	MOLEX	43045-0612	43025-0600
Input	/	M4 binding post	M4 screw
Output	/	M5 copper pillar	M5 screw

Pinout definition

Maker	Model	Description		Remark
MOLEX	43045-0612	PIN1	VCC+	
		PIN2	Hardwire enable	
		PIN3	GND	
		PIN4	CAN-GND	
		PIN5	CAN-H	
		PIN6	CAN-L	
/	High voltage input	Input positive	IN +	It is recommended to use 2.5mm ² wire
		Input negative	IN -	
/	Low voltage output	output positive	OUT +	It is recommended to use 2.5mm ² wire
		output negative	OUT -	

Label


安仁國際股份有限公司
 ANNREN TECHNOLOGIES CO., LTD.

DC/DC

Product Model: LWD3K-650S27-M
 Code: LWD3K-650S27-M-AR01
 Serial Number:

Input Voltage: 400~750VDC Output Voltage: 27.5VDC
 Output Current: 110A Output Power: 3KW

