

Model No. : LWC6K6-220S380-M
Product Name : 6.6KW OBC Module

Date	Jul.13th, 2020	Version	V01	Remark	Model No. changed to LWC6K6-220S380-M from AR6K6-220S380M-I
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6.6KW OBC Module

Applications



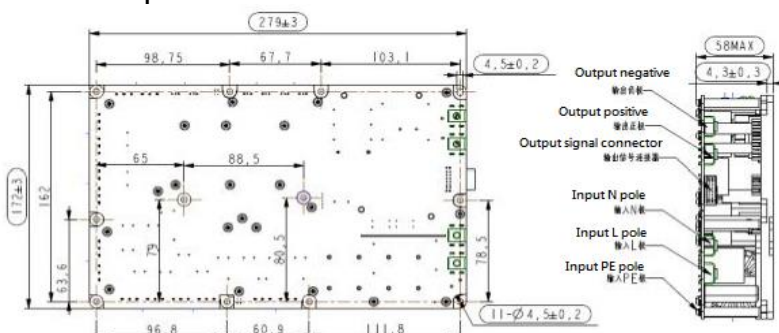
Features

- 1 Charging Standard: IEC
- 2 Output Power : 6.6KW
- 3 Input Voltage : 90~264VDC
- 4 Output Voltage : 200~450VDC
- 5 Dimensions : 279X172X58mm
- 6 Cooling System : Module
- 7 Communication Method : CAN-BUS
- 8 Weight: ≤4.5KG

Specification

Description	Technical specifications	Remark
Rated output power	6.6KW	
Input voltage range	90~264VAC	
Output voltage range	200~450VDC	
Maximum output current	20A	
Auxiliary power VCC	9-32VDC	VCC
Efficiency	≥ 95%	Rated input voltage
Voltage accuracy	±1%	
Current accuracy	±3%	
Wake up output	12/24Vdc&200mAmax (WAKE_UP signal)	Wake up BMS/VCU
Wake up method	CAN · AC · CP/PP	Support appointment charging
Communication method	CAN-BUS	
Quiescent Current	≤2mA	Battery current consumption during 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	
Electromagnetic compatibility characteristics	GB/T 18387-2008, EN 55022	
Operating temperature	-40~85°C	
Dimensions	279x172x58mm	
Packaging method	Modular	
Cooling method	Heat sink attached to bottom plate	
Weight	≤4.5KG	
CAN byte speed	250Kbps/500Kbps	

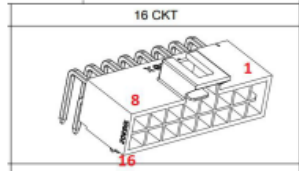
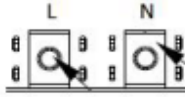
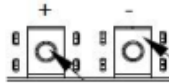
Structural parameters




Model No. : LWC6K6-220S380-M
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Connector information

Function	Maker	Receptacle model	Plug model
Control terminal	MOLEX	105314-1216	105308-1216
AC input	/	M4 binding post	M4 screw
DC output	/	M4 binding post	M4 screw

Maker	Model	Description		Picture
MOLEX	105314-1216	1	VCC-	
		2	LOCK_FB2	
		3	LOCK+	
		4	LOCK-	
		5	LOCK_FB1	
		6	CAN-H	
		7	CAN-L	
		8	WARE_UP	
		9	VCC+	
		10	CP_OUT	
		11	VCU_EN	
		12	NTC1+	
		13	NTC1-\NTC2-	
		14	NTC2+	
		45	CP	
		16	PP	
AC input	M4 binding post	L	FireWire (4mm ²)	
		N	Neutral (4mm ²)	
		G	Ground	
DC output	M4 binding post	+	Positive output level (2.5mm ²)	
		-	Output negative level (2.5mm ²)	


Label


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

OBC

Product Model: LWC6K6-220S380-M
 Code: LWC6K6-220S380-M-AR01
 Serial Number:

Input Voltage: 90~264VAC Output Voltage: 200~450VDC
 Output Current: 20A Output Power: 6.6KW



Package information

Carton size	279x172x58 (mm)
Weight (KG)	4.5KG

