

Model No. : ATC6K6-220S380-M
Product Name : 6.6KW OBC Module



6.6KW OBC Module

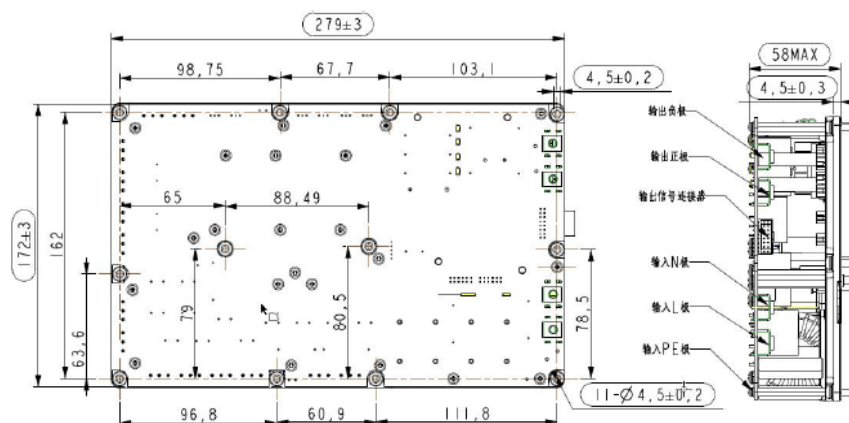
★ Features

- 1 Charging Standard:
- 2 Output Power : 6.6KW
- 3 Input Voltage : 85~265VAC
- 4 Output Voltage : 200~450VDC
- 5 Dimensions : 279X172X58mm
- 6 Cooling System : bottom plate conduction heat dissipation
- 7 Communication Method : CAN-BUS
- 9 Weight: ≤4.5KG

Specification

Description	Technical specifications	Remark
Operating temperature	-40~85°C	Bottom plate temperature
Rated output power	6.6KW	
Input voltage range	85~265VAC	
Output voltage range	200~450VDC	
Maximum output current	20A	
Auxiliary power VCC	9-32VDC	VCC
Efficiency	≥94%	@Nominal voltage
Voltage accuracy	±1%	
Current accuracy	±3%	
Low voltage Wake up	200mAmax (WAKE_UP signal)	Wake up BMS/VCU, Voltage follows VCC
Wake up method	AC、PP/CP、EN (HARD WIRE)	Support appointment charging
Communication method	CAN-BUS	
Quiescent Current	≤2mA	Battery current consumption during sleep/stop
Protection characteristics	Input OVP/UVF, output OVP/UVF,OTP,OCF, output short-circuit protection, CAN communication breakdown protection	
Electromagnetic compatibility characteristics	GB/T 18387-2008, EN 55022	
Dimensions	279x172x58mm	
Weight	≤4.5KG	
CAN byte speed	250Kbps/500Kbps (Optional)	
CANbus matrix protocol	Motorola or Intel (Optional)	

Structural parameters



Connector information

Function	Maker	Receptacle model	Plug model
Signal control	MOLEX	105314-1216	105308-1216
AC input	/	M4 terminal	M4 screw
DC output	/	M4 terminal	M4 screw

Pinout definition

AC Input	DC Output	Signal Control



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L	L	+	Output +	1	VCC-	9	VCC+
N	Neutral			2	LOCK_FB2	10	PP_OUT
G	Ground wire to chassis	-	Output -	3	LOCK+	11	VCU_EN
				4	LOCK-	12	NTC1+
				5	LOCK_FB1	13	NTC1-NTC2-
				6	CAN-H	14	NTC2+
				7	CAN-L	15	PP
				8	WAKE_UP	16	CP