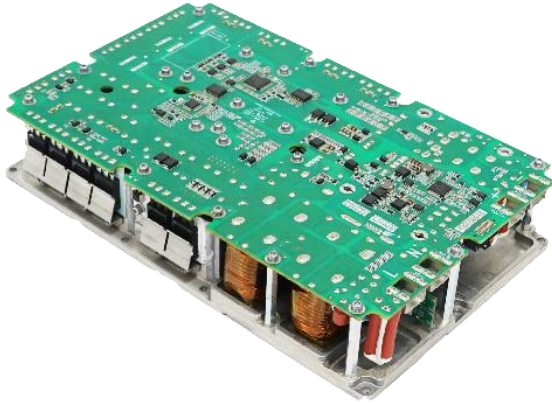




6.6KW OBC-Module Model No. ATC6K6-220S540-M



Features

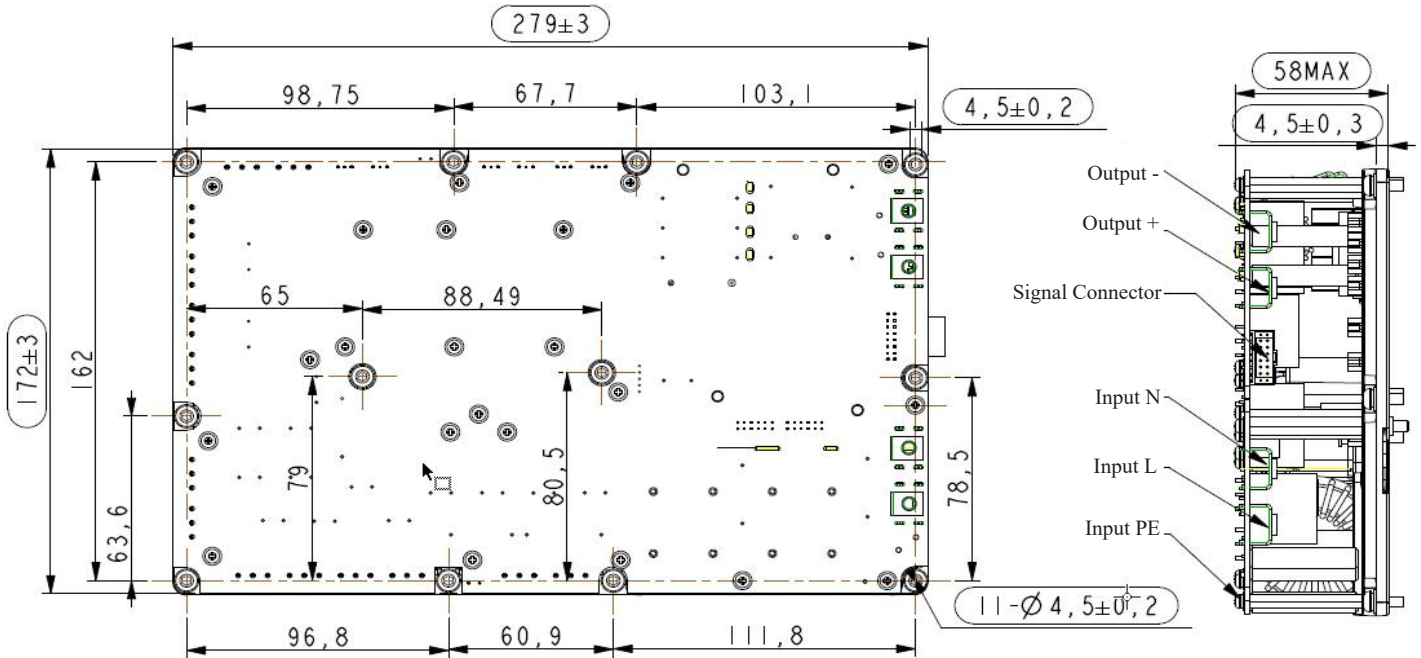
- 1 Output Power: 6.6KW
- 2 Input Voltage: 85~265VAC
- 3 Output Voltage: 400~650VDC
- 4 Dimensions: 279x172x58mm
- 5 Weight: ≤4.5KG
- 6 Cooling System: Heat sink attached to bottom plate
- 7 Protection Level: IP67
- 8 Communication Method: CAN-BUS
- 9 Enclosure: N/A
- 10 Software: Digital software design
- 11 Online Upgrade & Fault Diagnosis: Supported

Specification

Description	Technical Specification	Remark
Operating Temperature	-40~85°C	Bottom plate temperature
Rated Output Power	6.6KW	
Input Voltage Range	85~265VAC	
Rated Output Voltage	400~650VDC	
Rated Output Current	14A	
Auxiliary Voltage Range	9~32VDC	VCC
Efficiency	≥94%	Rated voltage
Voltage Accuracy	±1%	
Current Accuracy	±3%	
Low Voltage Wakeup	200mA max (wakeup signal)	Wakeup BMS/VCU, voltage follows the VCC
Wakeup Method	AC, PP/CP, EN(hardwire)	Support reservation charging
Communication Method	CAN-BUS	
Quiescent Current	≤2mA	Battery current will be consumed in sleep/standby mode
Protection Characteristics	Input OVP, UVP, output OVP, UVP, OTP, OCP, output short circuit protection, communication fault protection	
EMC	GB/T 18387-2008, EN 55022	

6.6KW OBC-Module Model No. ATC6K6-220S540-M

Structural Parameters (unit : mm)



Connector Model

Function	Brand	Socket Model	Plug Model
Control terminal	MOLEX	105314-1216	105308-1216
AC Input	/	M4 Binding post	M4 Screw
DC Output	/	M4 Binding post	M4 Screw

Interface Definition

AC Input		DC Output		Signal Control			
L	Fire wire	+	Output +	1	VCC -	9	VCC +
N	Neutral	-	Output -	2	Lock feedback 2	10	PP_OUT
G	Ground to chassis			3	Lock +	11	VCU_EN
				4	Lock -	12	NTC 1 +
				5	Lock feedback 1	13	NTC 1 & 2 -
				6	CAN-H	14	NTC 2 +
				7	CAN-L	15	PP
				8	Wakeup	16	CP