

Model No. : ATC11K-200450S14-M

Product Name : 11KW ON BOARD CHARGER MODULE

Revision	Description	Date(DD/MM/YYYY)	Released by	Approved by
V0	First released	17/10/2022	Chloe Hsiao	Alisa Chen



★ **Features**

- 1 Output Power : 11KW
- 2 Input Voltage :
3-phase 304~456VAC (L-L, 3-phase 4-lines)
1-phase 175~265VAC
- 3 Output Voltage : 200~450VDC
- 4 Dimensions : 300x200x60mm
- 5 Cooling System : bottom plate conduction heat dissipation
- 6 Communication : CAN 2.0A / 2.0B
- 7 CAN Baud Rate: 250Kpps / 500Kpps
- 8 Charging Standard (Mode): IEC
- 9 CAN ID format: Intel / Motorola / Bosch

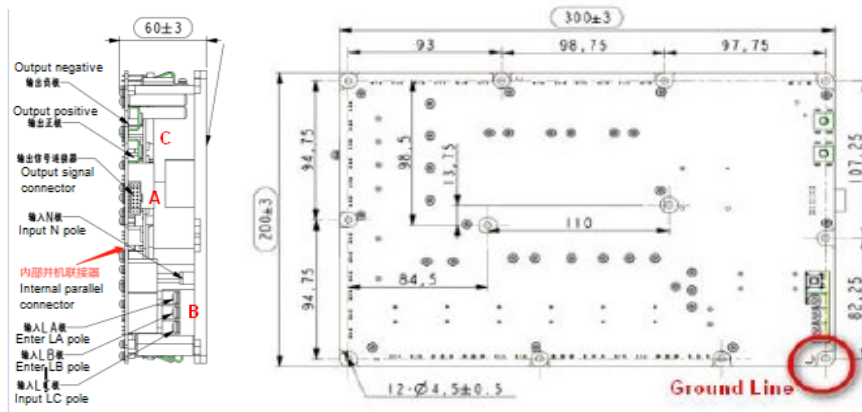
Specification

Items	Description		Remark
1	Operating temperature	-40~85°C	Bottom plate temperature
2	Rated output power	11KW	Support 1-phase 6.6KW
3	Input voltage range	3-phase 304~456VAC (L-L, 3-phase 4-lines)	1-phase input: 175~265VAC
4	Output voltage range	200~450VDC	
5	Maximum output current	32A	1 phase input: 20A
6	Auxiliary power supply	9~32VDC	VCC
7	Auxiliary output voltage(Vdc)	13.8	VCC
7	Efficiency	≥ 94%	nominal voltage
8	Voltage accuracy	±1%	
9	Current accuracy	±3%	
10	Low voltage wake-up	200mAmax (WAKE_UP signal)	Wake up BMS/VCU Voltage follows VCC
11	Wake-up mode	AC/PP/CP/EN(hardwire enable)	Support reservation charging
12	Communication mode	CAN-BUS	
13	Static Current	≤2mA	Sleep mode/ consume batter current at stop status
14	Protection	Input OVP, UVP, output OVP, UVP, OTP, OCP, output short circuit protection, communication fault protection	
15	EMC characteristics	GB/T 18387-2008, EN 55022	
16	Dimensions	300x200x60mm	
17	Cooling System	bottom plate conduction heat dissipation	
18	Weight	≤6.5KG	



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Structural parameters



Connector information

Item	Funtion	Maker	Product connector model	Customer connector model
A	Signal control	Molex	105314-1216	105308-1216
B	AC input	/	M4 stud	M4 screw
C	DC output	/	M4 stud	M4 screw

Pinout definition

AC input		DC output		Signal control			
L1	Line 1	+	Output positive	1	VCC-	9	VCC+
L2	Line 2	-	Output negative	2	VCU_EN	10	PP_OUT
L3	Line 3			3	LOCK+	11	LOCK FB2
N	Neutral Line			4	LOCK-	12	NTC1+
G	Ground Line			5	LOCK FB1	13	NTC1-NTC2-
				6	CANH	14	NTC2+
				7	CANL	15	PP
				8	WAKE_UP	16	CP

