

Model No. : ATC11K-380S540-W
Product Name : 11KW ON BOARD CHARGER LIQUID



- ★ **Features**
- 1 Charging Standard: IEC
 - 2 Output Power : 11KW
 - 3 Input Voltage :
Three-phase 304~456VAC (L-L, three-phase four-lines)
Single phase 176~264VAC
 - 4 Output Voltage : 400~650VDC
 - 5 Dimensions : 364x224x100mm
 - 6 Cooling System : Liquid
 - 7 IP Rating : IP67
 - 8 Communication : CAN-BUS
 - 9 Enclosure: Aluminum alloy made
 - 10 Software: Digital software design

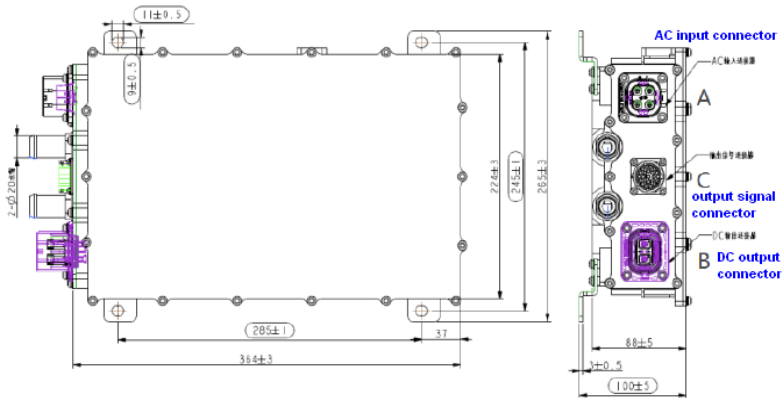
Specification

Description	Technical specifications	Remark
Rated output power	11KW	Support single-phase 6.6KW
Input voltage range	Three-phase 304~456VAC (L-L, three-phase four-lines)	Single phase input: 176~264VAC
Output voltage range	400-650VDC	
Maximum output current	23A	Single phase input: 14A
Auxiliary power supply	9-32VDC	VCC
Efficiency	≥ 95%	@nominal voltage
Voltage accuracy	±1%	
Current accuracy	±3%	
Low voltage wake-up	12/24Vdc&200mAmax (WAKE_UP signal)	Wake up BMS/VCU
Wake-up mode	CAN, AC, PP/CP	Support appointment charging
Communication mode	CAN-BUS	
Static Current	≤2mA	Sleep mode/ consume batter current at stop status
Operating temperature	-40-85°C	
EMC characteristics	GB/T 18387-2008, EN 55022	
Dimensions	364x224x100mm	
IP Rating	IP67	
Cooling System	Liquid, flow rate≥ 8L/min	
Weight	≤10.5KG	
CAN byte speed	250Kbps/500Kbps	
Protection	Input OVP, UVP, output OVP, UVP, OTP, OCP, output short circuit protection, communication fault protection	



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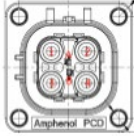
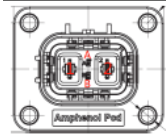
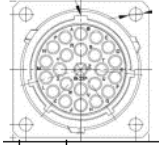
Structural parameters



Connector Table

Item	Position	Receptacle model no.	Pinout definition	Maker	Plug model no.
1	A	HVSL364024A	AC input	Amphenol	HVSL364064A106I
2	B	HVSL630022A106	DC output	Amphenol	HVSL630062A
3	C	RT001823PN03	Signal control	Amphenol	RT061823SNHEC03

Interface definition

AC input (A)		DC output (B)		Signal control (C)					
									
L1	FireWire 1	1	Output +	A	CAN1-L	J	NTC2-	T	NC
L2	FireWire 2	2	Output -	B	VCC+	K	NTC2+	U	NC
L3	FireWire 3	A	Interlock1 connect with interlock2	C	VCU_EN	L	CAN1-H	V	TB_R
N	Neutral line	B	Interlock2 connect with interlock1	D	PP	M	LOCK+	W	GND
G	Ground line			E	CP	N	LOCK-	X	CAN2-L
				F	WAKE_UP	P	Lock feedback	Y	CAN2-H
				G	NTC1-	R	PP_OUT	Z	EN2
				H	NTC1+	S	NC		

