



Model No. : ATC22K-380S380-W
Product Name : 22KW OBC Liquid System



Image for reference only. The product will be updated without notice.

★ Features

- 1 Output Power : 22KW
- 2 Input Voltage :
3-phase 304~456VAC (L-L, 3-phase4-lines)
1-phase 175~265VAC
- 3 Output Voltage : 200~450VDC
- 4 Dimensions : 370x252x158mm
- 5 Cooling System : Liquid
- 6 IP Rating : IP67
- 7 Communication : CAN-BUS
- 8 Enclosure: Aluminum alloy made
- 9 Software: Digital software design
- 10 Charging Mode: IEC

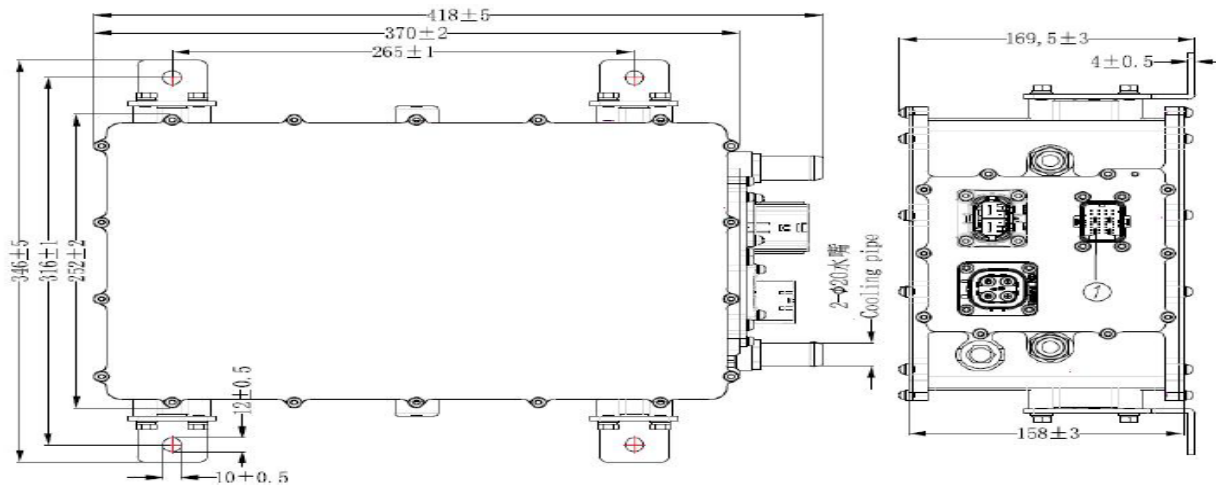
Specification

Description	Technical specifications	Remark
Operating temperature	-40-85°C	Coolant inlet temperature
Rated output power	22KW	Support 1-phase 6.6KW
Input voltage range	3-phase 304~456VAC (L-L, 3-phase 4-lines)	1-phase input: 175~265VAC
Output voltage range	200-450VDC	
Maximum output current	64A	1 phase input: 20A
Auxiliary power supply	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 mode	AC/PP/CP/EN(hardwire enable)	Support appointment charging
Communication mode	CAN-BUS	
Static Current	≤2mA	Sleep mode/ consume batter current at stop status
Protection	Input OVP, UVP, output OVP, UVP, OTP, OCP, output short circuit protection, communication fault protection	
EMC characteristics	GB/T 18387-2008, EN 55022	
Dimensions	370x252x158mm	
IP Rating	IP67	
Cooling System	Liquid, flow rate≥ 12L/min	
Weight	≤20KG	
CAN byte speed	250Kbps/500Kbps	



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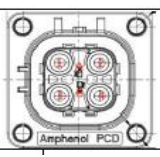
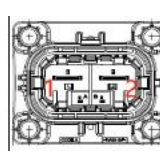
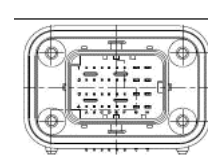
Structural parameters



Connector Table

Item	Position	Receptacle model no.	Pinout definition	Maker	Plug model no.
1	A	HVSL364024A	AC input	Amphenol	HVSL364064A106I
2	B	HVC2P95MV201	DC output	Amphenol	HVC2P95FS216
3	C	2334366-2	Signal control	TE	2137299-8

Interface definition

AC input (A)		DC output (B)		Signal control (C)							
											
1	L1/1-phase	1	Output +	1A	CAN1-H	2A	WAKE_UP	3A	NTC1+	4A	HVIL_IN
2	L2	2	Output -	1B	CAN1-L	2B	PP_OUT	3B	NTC2+	4B	HVIL_OUT
3	L3	A	HVIL_IN	1C	EN_OBC	2C	NC	3C	NTC3+	4C	CAN2-H
4	Neutral line	B	HVIL_OUT	1D	NC	2D	NC	3D	NTC-	4D	CAN2-L
A	HVIL_IN			1E	PP	2E	NC	3E	LOCK_FB1	4E	EN_L
B	HVIL_OUT			1F	CP	2F	NC	3F	LOCK_FB2	4F	NC
	Ground wire to casing			1G	VCC+	2G	NC	3G	LOCK+	4G	NC
				1H	GND	2H	NC	3H	LOCK-	4H	NC

