

**Model No. : ATC22K-380S640-W**  
**Product Name : 22KW ON BOARD CHARGER LIQUID**



- ★ **Features**
- 1 Charging Standard: IEC
  - 2 Output Power : 22KW
  - 3 Input Voltage :  
Three-phase 304~456VAC (L-L, three-phase four-lines)  
Single phase 176~264VAC
  - 4 Output Voltage : 450~750VDC
  - 5 Dimensions : 377x252x165mm
  - 6 Cooling System : Liquid
  - 7 IP Rating : IP67
  - 8 Communication : CAN-BUS
  - 9 Enclosure: Aluminum alloy made
  - 10 Software: Digital software design

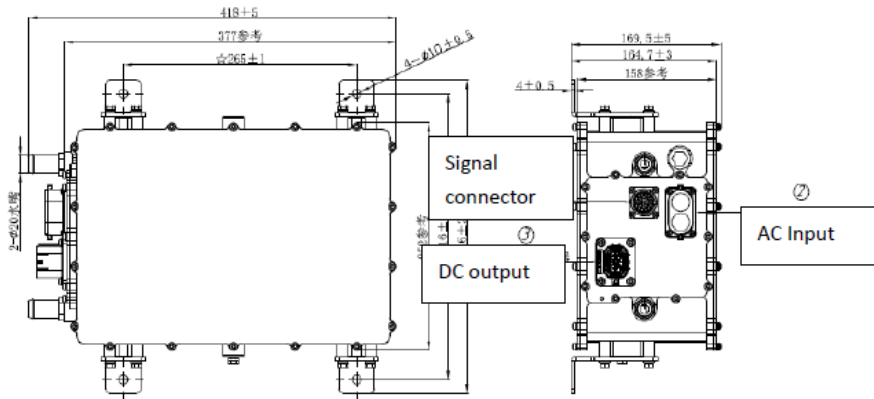
### Specification

Description	Technical specifications	Remark
Rated output power	22KW	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	450-750VDC	
Maximum output current	40A	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	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	377x252x165mm	
IP Rating	IP67	
Cooling System	Liquid, flow rate≥ 15L/min	
Weight	≤20KG	
CAN byte speed	250Kbps/500Kbps	
Protection	Input OVP, UVP, output OVP, UVP, OTP, OCP, output short circuit protection, communication fault protection	



**Model No. : ATC22K-380S640-W**  
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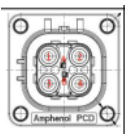
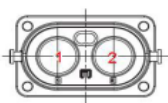
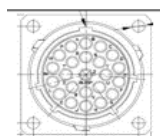
**Structural parameters**



**Connector Table**

Item	Position	Receptacle model no.	Pinout definition	Maker	Plug model no.
1	A	HVSL364024A	AC input	Amphenol	HVSL364064A106I
2	B	HVSL600022A1H6	DC output	Amphenol	HVSL600082A116
3	C	RT001823PN03	Signal control	Amphenol	RT061823SNHEC03

**Interface definition**

AC input (A)		DC output (B)		Signal control (C)					
									
L1	FireWire 1	1	Output positive	A	CAN1-L	J	NTC2-	T	NC
L2	FireWire 2	2	Output negative	B	VCC+	K	NTC2+	U	GND
L3	FireWire 3	A	NC	C	VCU_EN	L	CAN1-H	V	TB_R
N	Neutral line	B	NC	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		

