

Model No. : LWC40K-380S640-W

Product Name : 40KW OBC Liquid



★ Features

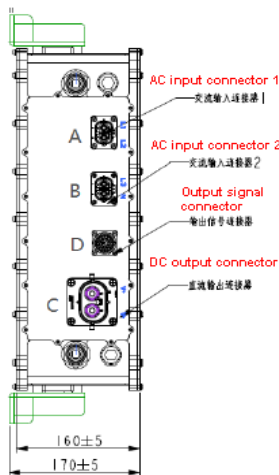
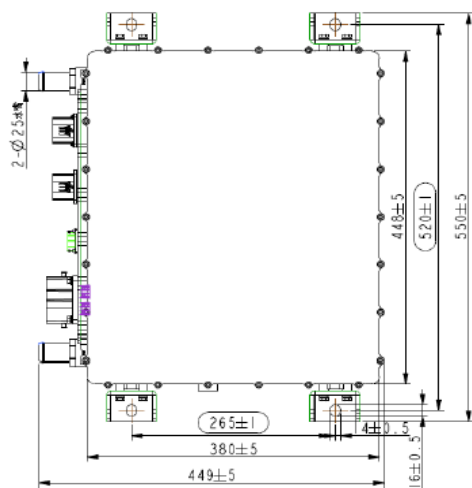
- 1 Charging Standard: IEC, GB/T
- 2 Output Power : 40KW
- 3 Input Voltage :
Three phase: 304-456VAC Line to Line ,three phase four lines)
Single input 176-264VAC
- 4 Output Voltage : 450~750VDC
- 5 Dimensions : 448X380X160mm
- 6 Cooling System : Liquid
- 7 Communication Method : CAN-BUS
- 8 Enclosure: Aluminum alloy made
- 9 Software: Digital software design

10 Weight: ≤45KG

Specification

Description	Technical specifications	Remark
Rated output power	40KW	Support single phase 6.6KW
Input voltage range	Three phase: 304 456VAC Line to Line ,three phase four lines)	Single input 176-264VAC
Output voltage range	450~750VDC	
Maximum output current	80A	Single input: 12A
Auxiliary power VCC	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 method	CAN, AC, CC/CP	Support appointment charging
Communication method	CAN-BUS	
Quiescent Current	≤2mA	Battery current consumption during sleep/stop
Protection characteristics	Input over and under voltage, output over and under voltage, input anti-reverse connection, output over current and short circuit protection, over temperature protection	
Electromagnetic compatibility characteristics	GB/T 18387-2008, EN 55022	
Operating temperature	-40~85°C	
Dimensions	448x380x160mm	
IP Level	IP67	
Cooling method	Liquid, flow rate ≥15L/min	
Weight	≤45KG	
CAN byte speed	250Kbps/500Kbps	

Structural parameters





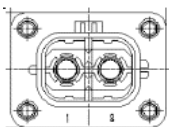
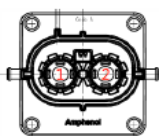
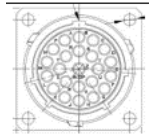
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Connector information

Position	Function	Maker	Receptacle model	Plug model
A	AC input 1	Yong Gui	YGC705-EV-P2RE	YGC705-EV-S2PE
B	AC input 2/ (single phase)	Yong Gui	YGC705-EV-P2RF	YGC705-EV-S2PF
C	DC output	Amphenol	HVC2P80MV118	HVC2P80FS125
	Control side	Amphenol	RT001823PN03	RT061823SNHEC03

Pinout definition

AC input (A/B)		DC output (C)		Signal control (D)					
									
A1	Hotline 1	1	Output +	A	NTC1-	J	NTC2-	T	LOCK-
A2	Hotline 2	2	Output -	B	NTC1+	K	NTC2+	U	LOCK FB1
B1	Hotline3/single phase hot line	A	Interlock 1 connect with interlock 2	C	VCC+	L	WAKE-UP	V	CC
B2	Neutral line	B	Interlock 2 connect with interlock 1	D	VCC-	M	CAN-G	W	CP
				E	CANH1	N	LOCK FB2	X	VCU_EN
				F	CANH2	P	EN_L	Y	NC
				G	CANL1	R	CC_OUT	Z	NC
				H	CANL2	S	LOCK+		

