

Model No. : ATC6K6-220S640-W

Product Name : 6.6KW OBC Liquid



6.6KW OBC Liquid

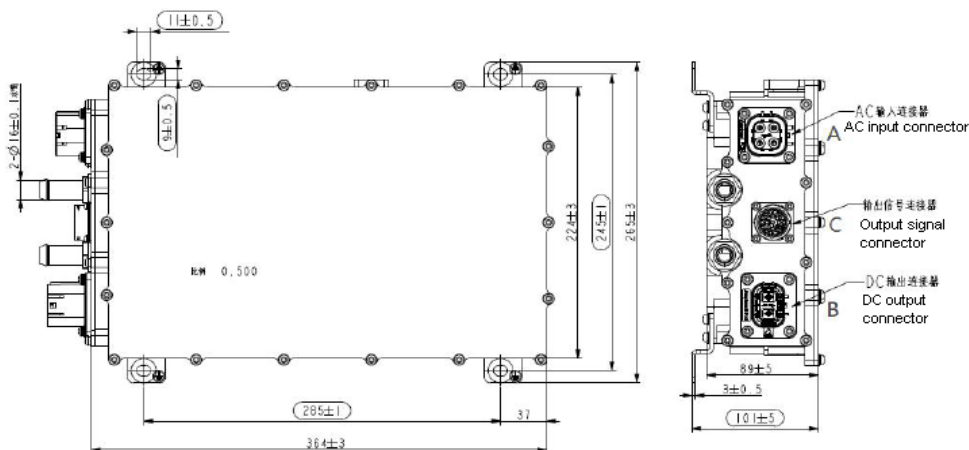
★ Features

- 1 Charging Standard: SAE
- 2 Output Power : 6.6KW
- 3 Input Voltage : 85-265VAC
- 4 Output Voltage : 450~750VDC
- 5 Dimensions : 364X224X100mm
- 6 Cooling System : Liquid
- 7 Communication Method : CAN-BUS
- 8 Enclosure: Aluminum alloy made
- 9 Software: Digital software design
- 10 Weight: $\leq 8.5\text{KG}$
- 11 Meet SAEJ1772 standard

Specification

Description	Technical specifications	Remark
Operating temperature	-40~85°C	Working for long time
Rated output power	6.6KW	
Input voltage range	85~265VAC	
Output voltage range	450~750VDC	
Maximum output current	12A	
Auxiliary power VCC	9-32VDC	VCC
Efficiency	$\geq 95\%$	@Nominal voltage
Voltage accuracy	$\pm 1\%$	
Current accuracy	$\pm 3\%$	
Low voltage Wake up	12/24Vdc&200mAmax (WAKE_UP signal)	Wake up BMS/VCU
Wake up method	CAN/AC/PP/CP	Support appointment charging
Communication method	CAN-BUS	
Quiescent Current	$\leq 2\text{mA}$	Battery current consumption during sleep/stop
Protection characteristics	Input OVP/UVP, output OVP/UVP,OTP,OCp, output short-circuit protection, CAN communication breakdown protection	
Electromagnetic compatibility characteristics	GB/T 18387-2008, EN 55022	
Dimensions	364x224x100mm	
IP Level	IP67	
Cooling method	Liquid, flow rate $\geq 6\text{L/min}$	
Weight	$\leq 8.5\text{KG}$	
CAN byte speed	250Kbps/500Kbps (Optional)	
CANbus matrix protocol	Motorola or Intel (Optional)	

Structural parameters



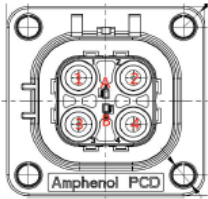
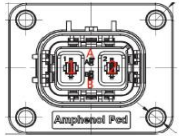
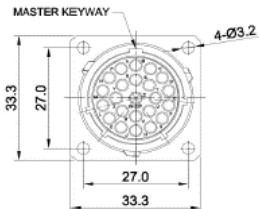


Model No. : ATC6K6-220S640-W
Product Name : 6.6KW OBC Liquid

Connector information

Position	Function	Maker	Receptacle model	Plug model
A	AC input	Amphenol	HVSL364024A	HVSL364064A106I
B	DC output	Amphenol	HVSL630022A106	HVSL630062A10610
C	Signal control	Amphenol	RT001823PN03	RT061823SNHEC03

Pinout definition

Connector	Pin No.	Pin Definition	Description	Picture
AC Input HVSL364024A	1	L	Hotline	
	2	NC	NC	
	3	NC	NC	
	4	NC	Neutral Line	
	A	Interlock 1	NC	
	B	Interlock 2	NC	
DC Output HVSL630022A106	1	Positive	Output +	
	2	Negative	Output -	
	A	Interlock 3	NC	
	B	Interlock 4	NC	
	A	CAN-L	CAN Low	
	B	VCC+	VCC+ Input +	
	C	VCU_EN	KL15 wake up OBC, EN signal (EN high potential valid)	
	D	PP	Proximity Detection	
	E	CP	Control pilot	
	F	WAKE_UP	VCU/BMS wake up signal (200mA) Isolated from VCC	
	G	PTC1-	NC	
	H	PTC1+	NC	
	J	PTC2-	NC	
	K	PTC2+	NC	
	L	CAN-H	CAN High	
	M	LOCK+	NC	
	N	LOCK-	NC	
	P	LOCK feedback	Electronic lock	
	R	PP_OUT	CC status output, Low potential EN	
	S	Interlock 5	NC	
	T	Interlock 6	NC	
	U	GND	GND	
	V	TB_R	Terminal resistance selection, short connected to the C pin resistance is effective	
	W	NC	Reserved	
	X	NC	Reserved	
	Y	NC	Reserved	
	Z	NC	Reserved	