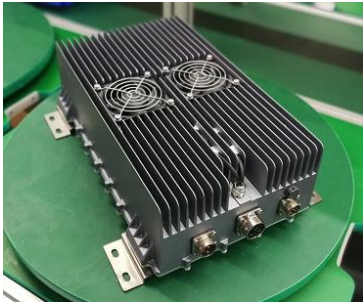


**Model No. : AR6K6-220D380/54014/14/27-A-AR01**  
**Product Name : 6.6KW ON BOARD CHARGER (AC/DC)**



6.6KW On Board Charger Fan cooling system  
Applications



6.6KW On Board Charger Module Only

★ **Features**

- 1 Output Power : 6.6KW
- 2 Input Voltage : 90~264VAC
- 3 Output Voltage :  
250~450VDC/420~650VDC
- 4 Dimensions : 472x244x126mm
- 5 Cooling System : Fan
- 6 Protection Level : IP67 (except fan)
- 7 Communication Method : CAN
- 8 Enclosure: Aluminum alloy made
- 9 Software: Digital software design



Electric Commercial Vehicles



Electric Commercial Vehicles

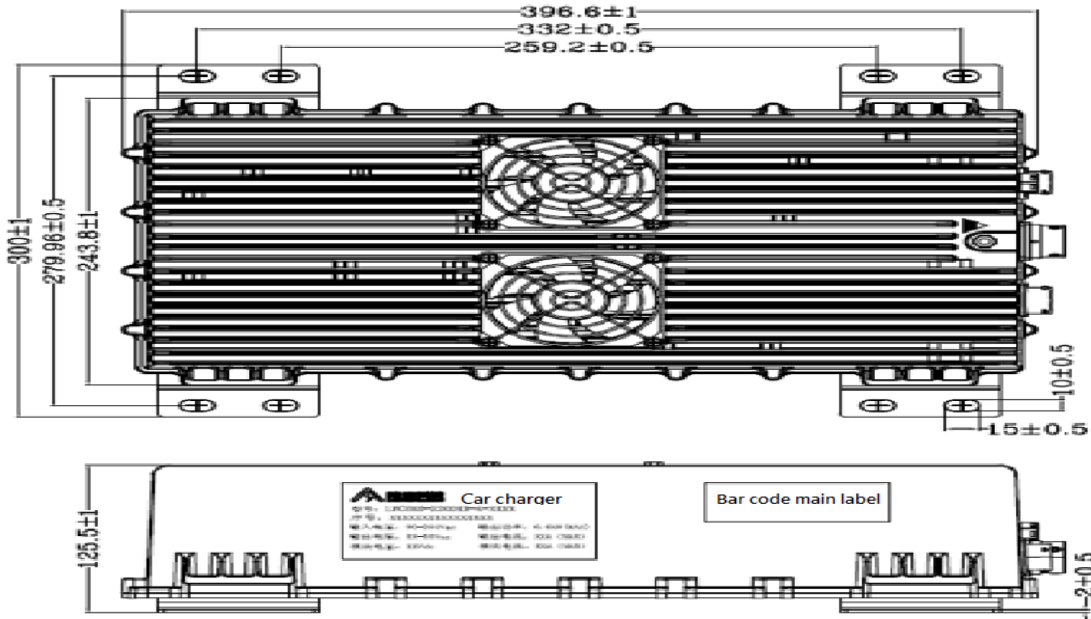
**Specification**

Description		Technical specifications	Remark
Environmental characteristics	Operating temperature	-40~65°C	Long-time working
	Vibration/noise	Meet the QC/T 895-2011 standard	
	Salt spray experiment	Meet the QB/T 2423.17-2008 standard	
Output Power		6.6KW max	
Input voltage range		90~264VAC	
Output voltage range		250-450VDC/420~650VDC	
Voltage accuracy		±1%	
Output maximum current		20A/14A	
Current accuracy		±3%	Half load or more
Efficiency		≥93%	Rated voltage Full load
Low voltage output		13.8VDC/7Amax or 27VDC/4Amax	Customizable
Other protection features		Input over-voltage, output over-voltage, over-temperature protection, over-current protection, output short-circuit protection, reverse battery protection, communication fault protection, internal fault protection	
Over temperature protection		When the temperature reaches 85 °C, the output power is reduced by half. The temperature is <80 °C in 10 minutes, and the full load is automatically restored. After 10 minutes, the temperature is >80 °C, then it is turned off. When the temperature is >90 °C, it will be shut down directly. °	
Dielectric strength	Output to the outer casing	2000VDC /60S 10mA Max	
	Input to the outer casing	1500VAC /60S 10mA Max	
	Input to output	3000VAC /60S 10mA Max	
Insulation resistance	Input to output	≥20MΩ	
	Input to the outer casing	≥20MΩ	
Electromagnetic compatibility	Radiation emission	GBT 18387 : 2008 · EN 55022 CClassB	
	Conducted emission	GBT 18387 : 2008 · EN 55022 CClassB	
	Radiation immunity	GBT 18387 : 2008 · EN 55022 CClassB	



Model No. : AR6K6-220D380/54014/14/27-A-XX  
Product Name : 6.6KW On Board Charger system

**Structural parameters** Connector information (can be customized)



**Connector information (can be customized)**

Position	Socket model	Function	Brand	Plug model
A	RT00164PN03	AC input	Amphenol	RT06164SNHEC03
B	RT00144PN03	DC output	Amphenol	RT06144SNHEC03
C	RT00128PN03	Signal socket	Amphenol	RT06128SNHEC03

**Interface definition**

Vendor	Model	Description	Remark	
Amphenol	RT00128PN03	A	CAN-H	
		B	Output 13.8V+	
		C	Output 13.8V-	
		D	NC	
		E	NC(Aging, internal use)	
		F	NC	
		G	CANL	
		H	CAN Shielding ground	
Amphenol	RT00164PN03	A	L (Fire line)	
		B	N (Neutral line)	
		C	PE(Protected area)	
		D	NC	
Amphenol	RT00144PN03	A	Output positive	
		B	Interlock	
		C	Output negative	
		D	Interlock	

