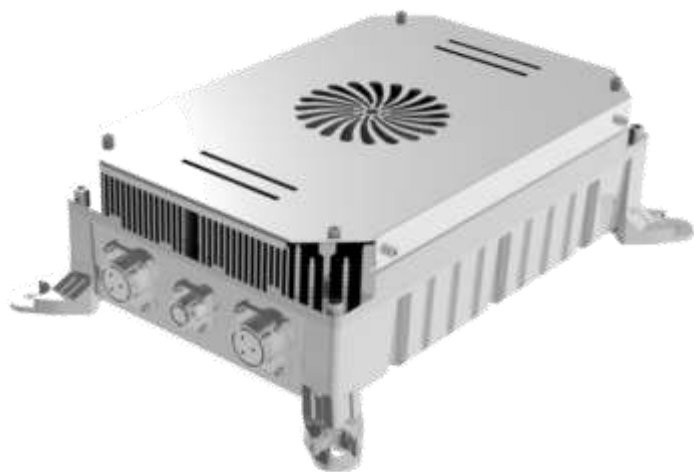




0-140V 6.6KW On Board Charger Fan Model No. ATRC6K6-108S60F



Features

- 1 Output Power: 6.6KW
- 2 Input Voltage Range (VAC): 90~265
- 3 Output Voltage Range (VDC): 0~140
- 4 Output Current Range(A): 0~60
- 5 Rated Output Voltage(VDC): 108
- 6 Isolated: supported
- 7 Dimensions(mm): 302x211x113
- 8 Weight(KG): 10±0.5
- 9 Cooling System: Fan
- 10 Protection Level: IP67
- 11 Communication Method: CAN-BUS
- 12 Enclosure: Aluminum alloy
- 13 Software: Digital software design
- 14 Online Upgrade & Fault Diagnosis: Supported

Specification

Description	Technical Specification	Remark
Rated Output Power(KW)	6.6	
Input Voltage Range(VAC)	90~265	
Rated Input Voltage(VAC)	220	
Input Voltage Frequency(Hz)	45~65	
Rated Input Voltage Frequency(Hz)	50	
Initiation Inrush Current(A)	≤ 32	
Input Power Factor	≥ 0.99(@380Vin, Pomax)	
Output Voltage Range(VDC)	0~140	
Rated Output Voltage(VDC)	108	
Output Current Range(A)	0~60	
Rated Output Current Max(A)	60	Adjustable as per requirement
Voltage Regulation Accuracy(%)	±1	
Current Regulation Accuracy(%)	±0.5A (Io≤10A) & ≤±5% (Io>10A)	
Output Response Time(mS)	≤ 200	
Efficiency	≥92%	Rated voltage
Low Voltage Wakeup	200mA max (wakeup signal)	
Wakeup Method	PP/CP, EN(hardwire)	
Communication Method	CAN-BUS	
Quiescent Current(mA)	≤2	Battery current will be consumed in sleep/standby mode



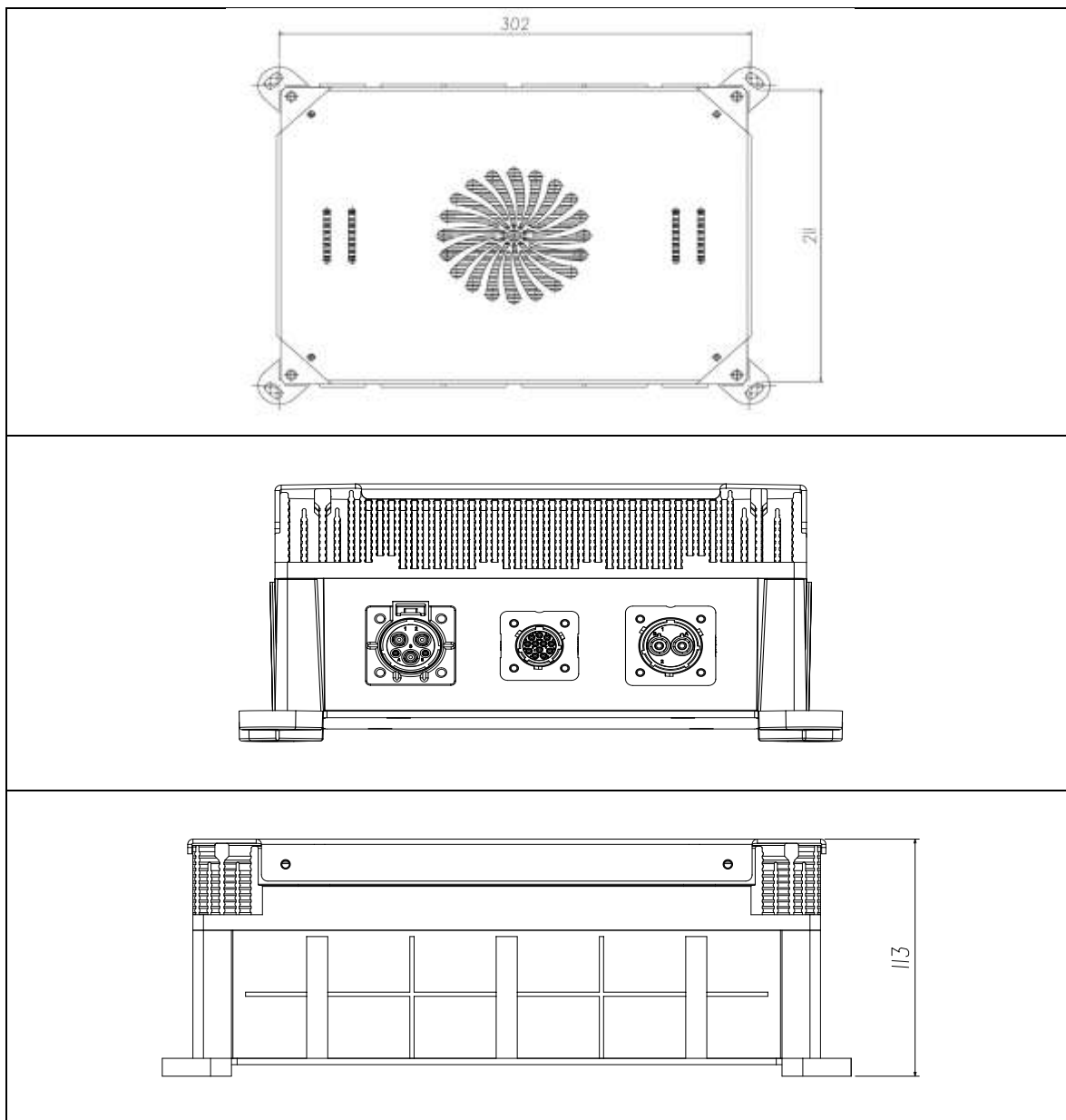
Operating Environment

The operating environment conditions of this assembly are as follows:

Items	Descriptions		Remark
1.	Operating Temperature(°C)	-40~65	The power will be derated when the temperature exceeds 65°C
2.	Storage Temperature(°C)	-40~95	
3.	relative humidity(%RH)	5~95	No condensation, no frost
4.	Protection level	IP67	
5.	Cooling method	Fan	
6.	Vibration level	ISO 16750-3,2012 (E)	After X,Y,Z three directions of sweep frequency vibration testing, no damage for parts , no loose for fastening piece
7.	Noise level(dB)	<60	
8.	Salt spray level	GB/T 2423.17	
9.	Dielectric strength	Primary edge - Secondary edge 2000VAC	Primary edge , Secondary edge-Housing edge 1500VAC
10.	Durability	GB/T 24347-2009	
11.	Insulation resistance	Primary edge - Secondary edge $\geq 50M\Omega$	
12.	Harmonic Current	GB/T 17625.1-2003 6.7.3.1	
13.	Altitude(M)Max	3000	GB/T16935.1-2008
14.	Impact Resistance	GB/T T15139-1994 6.5	
15.	Fall	Wiring harness according to QC/T417.1-2001 Housing according to GB/T 2423.8-1995	Appearance, structure and performance are normal
16.	Protection Characteristics	Input OVP/UVLP, output OVP/UVLP, input anti-reverse connection, output short circuit protection, OCP, OTP	
17.	Over/under voltage protection	The system can automatically recover from both input over/under voltage shutdown and output over/under voltage shutdown.	
18.	Output reverse connection and short circuit protection	The device shuts down when the output is short-circuited or reverse-connected, but it can self-recover.	
19.	Over-temperature protection	When the heat sink temperature exceeds 75°C, the output power is reduced; when the temperature exceeds 95°C, the circuit is disconnected; the charger resumes output power when the charging temperature returns to below 85°C.	
20.	Electromagnetic immunity	GB/T 18487.3_11.3.1	
21.	Electromagnetic disturbance	GB/T 18487.3_11.3.2	



Structural Parameters (unit : mm)



Connector Model: can be used as per requirement