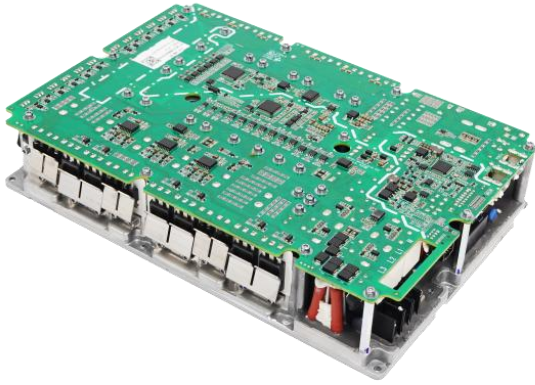




## 11KW OBC-Module Model No. ATC11K-380S540-M



### Features

- 1 Output Power: 11KW
- 2 Input Voltage: 3 phase 304~456VAC
- 3 Output Voltage: 400~650VDC
- 4 Dimensions: 300x200x60mm
- 5 Weight: ≤6.5KG
- 6 Cooling Method: Heat sink attached to bottom plate
- 7 Communication Method: CAN-BUS
- 8 Enclosure: N/A
- 9 Software: Digital software design
- 10 Online Upgrade & Fault Diagnosis: Supported
- 11 Compatible with 1 phase and 3 phase charging piles

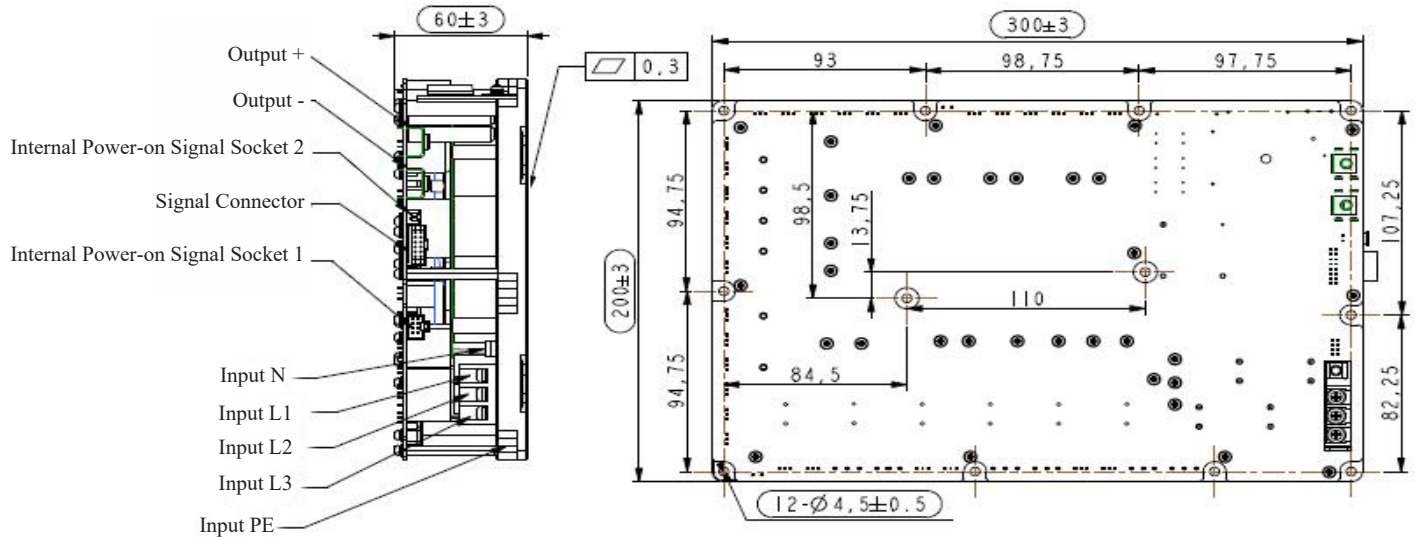
### Specification

Description	Technical Specification	Remark
Operating Temperature	-40~85°C	Bottom plate temperature
Rated Output Power	11KW	1 phase input 6.6KW: supported
Input Voltage Range	3 phase 304~456VAC (wire-wire voltage, 3 phase 4 wire)	1 phase input: 175~265VAC
Rated Output Voltage	400~650VDC	
Max Output Current	23A	1 phase input: 14A
Auxiliary Voltage Range	9~32VDC	VCC
Efficiency	≥94%	Rated voltage
Voltage Accuracy	±1%	
Current Accuracy	±3%	
Low Voltage Wakeup	200mA max (wakeup signal)	Wakeup BMS/VCU, voltage follows the VCC
Wakeup Method	AC, PP/CP, EN(hardwire)	Support reservation charging
Communication Method	CAN-BUS	
Quiescent Current	≤2mA	Battery current will be consumed in sleep/standby mode
Protection Characteristics	Input OVP, UVP, output OVP, UVP, OTP, OCP, output short circuit protection, communication fault protection	
EMC	GB/T 18387-2008, EN 55022	



## 11KW OBC-Module Model No. ATC11K-380S540-M

### Structural Parameters ( unit : mm)



### Connector Model

Function	Brand	Socket Model	Plug Model
Control terminal	MOLEX	105314-1216	105308-1216
Input	/	M4 Binding post	M4 Screw
Output	/	M4 Binding post	M4 Screw

### Interface Definition

AC Input		DC Output		Signal Control			
L1	Fire wire 1	+	Output +	1	VCC -	9	VCC +
L2	Fire wire 2	-	Output -	2	VCU_EN	10	PP_OUT
L3	Fire wire 3			3	Lock +	11	Lock feedback 2
N	Neutral			4	Lock -	12	NTC 1 +
G	Ground to chassis			5	Lock feedback 1	13	NTC 1 & 2 -
				6	CAN-H	14	NTC 2 +
				7	CAN-L	15	PP
				8	Wakeup	16	CP