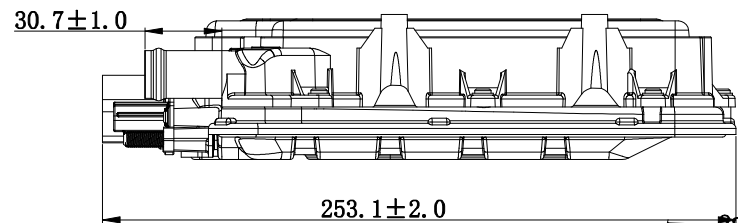
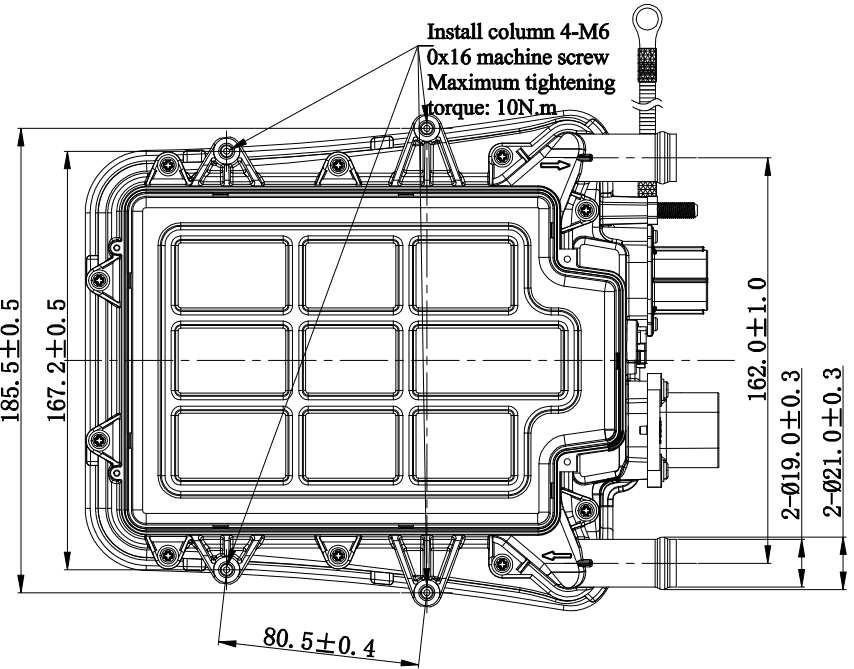
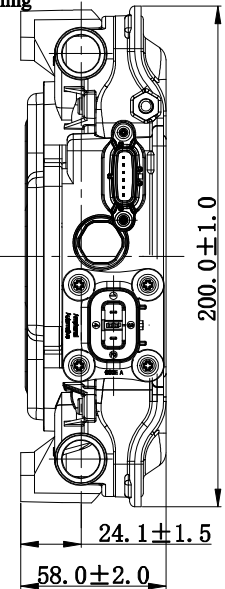
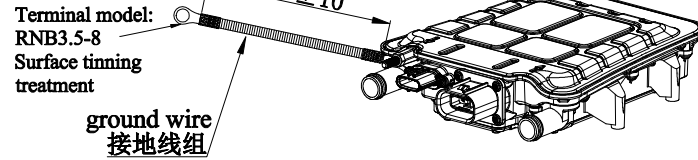


Pay attention to the pattern orientation at the high voltage safety warning label



Operating environment:
 1. Operating ambient temperature: -40 ~ 105 °C;
 Storage temperature: -40 ~ 105 °C
 2. Operating ambient humidity: 5% ~ 95% RH;
 3. Solution used: antifreeze coolant 50% water and 50% ethylene glycol;
 4. No direct sunlight or ultraviolet light.



name	terminal	Interface definition	colour	Wire diameter (mm ²)
High voltage end	1	PTC+	red	3.3
	2	PTC-	black	3.3
HVC2P28MV104	3	High voltage interlock 1	brown	0.54
	4	High voltage interlock 2	brown	0.54
Low voltage end	P1	24VDC+	red	0.54
	P2	24VDC-	black	0.54
A02-ECC 320Q60A1-LVC-4	P3	CAN-H	blue	0.54
	P4	CAN-L	white	0.54
Opposite plug 住友6189-1083	P5	High voltage interlock 1	brown	0.54
	P6	High voltage interlock 2	brown	0.54

- Technical requirements:**
- Rated voltage: 600vdc, range: 450 ~ 750 vdc;
 - Impulse current I ≤ 35A;
 - Rated power: 8000w (7200 ~ 8800w) & 10L / min & inlet water temperature 40 °C± P2 °C;
 - Heater control voltage: 24VDC (voltage range 16 ~ 32vdc);
 - Under normal conditions, the insulation resistance between the heater shell and the electrode is ≥ 200m Ω (1000VDC / 5S);
 - Insulation withstand voltage leakage current: 2700vdc / 5mA / 5S at high voltage terminal;
 - The weight of heater is less than 2.7kg;
 - The protection grade of heater is IP67;
 - Air tightness of heater: apply pressure of 0.4MPa, test for 3min, and the leakage is less than 500pa;
 - Water resistance ≤ 6.5kpa (coolant flow 10L / min; heater working state off; coolant temperature 25 °C)
 - The flame retardant grade reaches ul94-v0;
 - RoHS compliant;
 - Conversion efficiency: ≥ 90%

		版本	标记	处数	更改描述	签名	更改日期
变更履历	A0						
	A1	a					
	A2	b					
	A3	c					
单位	mm	设计				日期	
图幅	A4	校对				日期	
比例	1:1	审核				日期	
视角		批准				日期	

W09-2成品图