PCM Specifications

Model: BMS - A200 Li-ion 2S

No	Test item		Criterion		
			Lifepo4	Li-ion/Li-polymer	
1	Voltage	Charging voltage	DC 7.2V CC/CV(3.6V/cell)	DC:8.4V CC/CV(4.2V/cell)	
		Balance voltage for single cell	.....	.....	
2	Current	Balance current for single cell	.....	.....	
		Current consumption for single cell	≤20μA	≤20μA	
		Max. continuous charging current	6A	6A	
		Max. cont. discharging current	6A	6A	
3	Over charge protection(single cell)	Over charge detection voltage	3.90V±0.025V(optional)	4.25±0.025V(optional)	
		Over charge detection delay time	0.5-2.0S	0.5S—2.0S	
		Over charge release voltage	3.805±0.05V	4.05 ±0.05V	
4	Over discharge protection(single cell)	Over discharge detection voltage	2.00±0.8V(optional)	2.5±0.08V(optional)	
		Over discharge detection delay time	10-300mS	10-300mS	
		Over discharge release voltage	2.3±0.1V	3.0±0.1V	
5	Over current protection	Over current detection voltage	depend on the above points	depend on the above points	
		Over current detection current	final data fixed from actual test	final data fixed from actual test	
		Detection delay time	5-20ms	5-20ms	
		Release condition	Cut load,Auto release	Cut load,Auto release	
6	Short protection	Detection condition	Exterior short circuit		
		Detection delay time	100～500us		
		Release condition	charge up		
7	Resistance	Protection circuitry	≤50mΩ		
8	Temperature	Operating Temperature Range	-40～+85℃		
		Storage Temperature Range	-40～+125℃		
9	Dimension	L44*W8*T2mm			
Optional Parameters:		Over charge detection voltage (V)	4.28±0.025V	4.25±0.025V	3.65±0.025V
		Over charge release voltage(V)	4.10±0.05V	4.05±0.05V	3.65±0.05V
		Over discharge detection voltage	3.00±0.8V	2.80±0.8V	2.50±0.8V
		Over discharge release voltage(V)	3.20±0.1V	3.00±0.1V	3.00±0.1V