



PCM Specifications

Model: BMS - A110 Li-ion 1S

No	Test item		Criterion		
			Lifepo4	Li-ion/Li-polymer	
1	Voltage	Charging voltage		DC:4.2V CC/CV(4.2V/cell)	
		Balance voltage for single cell			
2	Current	Balance current for single cell			
		Current consumption for single cell		≤20μA	
		Max. continuous charging current		5A	
		Max. cont. discharging current		5A	
		Over charge protection(single cell)	Over charge detection voltage		4.25±0.025V(optional)
3		Over charge detection delay time		0.5S—2.0S	
		Over charge release voltage		4.05 ±0.05V	
		Over discharge protection(single cell)	Over discharge detection voltage		2.5±0.08V(optional)
4		Over discharge detection delay time		10-300mS	
		Over discharge release voltage		3.0±0.1V	
		Over current protection	Over current detection voltage		depend on the above points
5		Over current detection current		final data fixed from actual test	
		Detection delay time		5-20ms	
		Release condition		Cut load,Auto release	
		Short protection	Detection condition	Exterior short circuit	
6		Detection delay time	100 ~ 500us		
		Release condition	charge up		
		Resistance	Protection circuitry	≤50mΩ	
7	Temperature	Operating Temperature Range	-40 ~ +85℃		
		Storage Temperature Range	-40 ~ +125℃		
8	Dimension	L15*W3.7*T2.5mm			
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

