



PCM Specifications

Model: BMS - A309 Li-ion 3S

Protection Circuit Module Specifications For 11.1V Li-ion/Li-po Battery Pack			
Model : BMS - A309(3S)			
No.	Test item		Criterion
1	Voltage	Charging voltage	DC : 12.6V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	≤ 50 μ A
		Maximal continuous charging current	4A
		Maximal continuous discharging current	4A
3	Over charge Protection (single cell)	Over charge detection voltage	4.35V±0.025V
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	4.15V±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.40V±0.08V
		Over discharge detection delay time	50—150ms
		Over discharge release voltage	3.0±0.10V
5	Over current protection	Over current detection voltage	150±25mv
		Over current detection current	15±2A
		Detection delay time	5ms—15ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤ 50mΩ
8	Temperature	Operating Temperature Range	-40 ~ +85
		Storage Temperature Range	-40 ~ +125

P+=Charge+/Discharge+

P-=Charge-/Discharge-

Size:L50*W10*T3mm

L50*W10mm

