

SmarTEC TECHNOLOGY

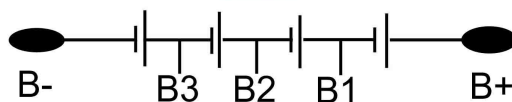
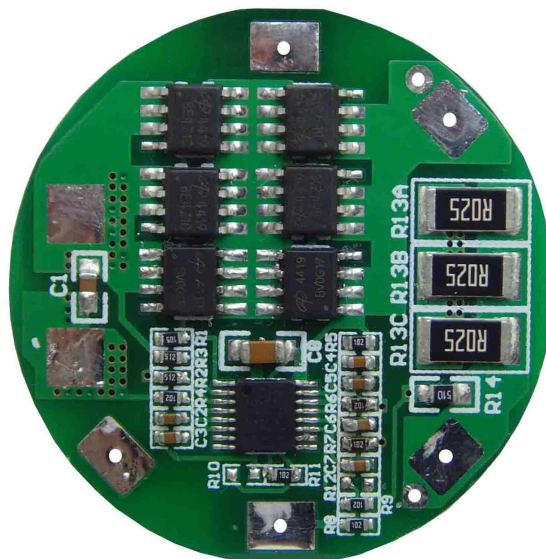
Protection Circuit Module Specifications For 12.8V (4S) Li-ion Battery Pack

Model: PCM-L04S12-144 (4S)

No.	Test Item		Criterion
1	Voltage	Charging voltage	DC:16.8V CC/CV (4.2v/Cell) 4s
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	≤30μA
		Maximal continuous charging current	10A
		Maximal continuous Discharging current	10A
3	Over charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.15±0.1V
4	Over discharge protection	Over discharge detection voltage	2.5±0.05V
		Over discharge detection delay time	10mS—200mS
		Over discharge release voltage	3.0±0.1V
5	Current protection (Battery pack)	Over current detection current	25±5A
		Detection delay time	5ms—50ms
		Release condition	Cut load, Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load, Auto Recovery
7	Resistance	Protection circuitry	≤60mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

Size: 40*40*3mm

P+=Charge+/Discharge+, P- =Charge-/Discharge-



制定：石龄河

审核：

批准：