

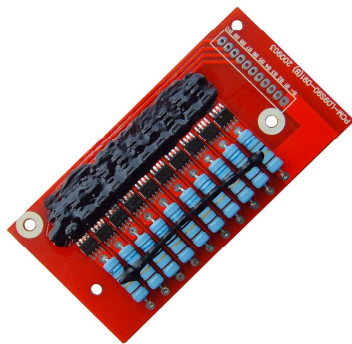
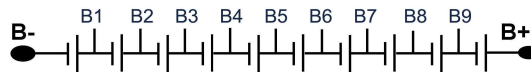
# Protection Circuit Module Specifications For 37V Li-ion Battery Pack

Model: PCM-LI37V90A

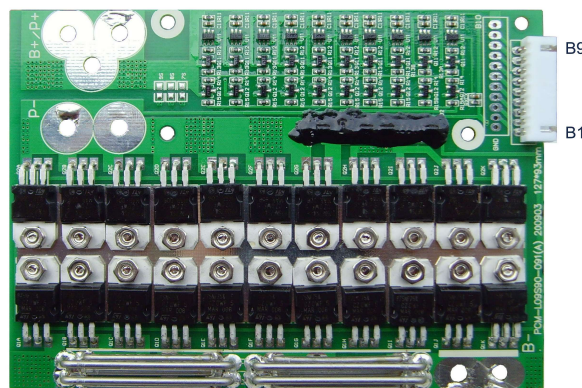
No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 42V CC/CV (4.2V/1Cell)
		Balance voltage for single cell	4.20V±0.03V
2	Current	Balance current for single cell	62mA±3mA
		Current consumption for single cell	≤20 μ A
		Maximal continuous charging current	50A
		Maximal continuous discharging current	50A
3	Over charge Protection	Over charge detection voltage	4.325±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.075±0.025V
4	Over discharge protection	Over discharge detection voltage	2.50±0.05V
		Over discharge detection delay time	100—250ms
		Over discharge release voltage	2.9±0.05V
5	Over current protection	Over current detection voltage	0.65±0.1V
		Over current detection current	140±10A
		Detection delay time	5ms—20ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤20m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

Weight: 140 grams

L127\*W93\*T9mm



balance module



PCM