Shenzhen Leadyo Technology Co.,Ltd

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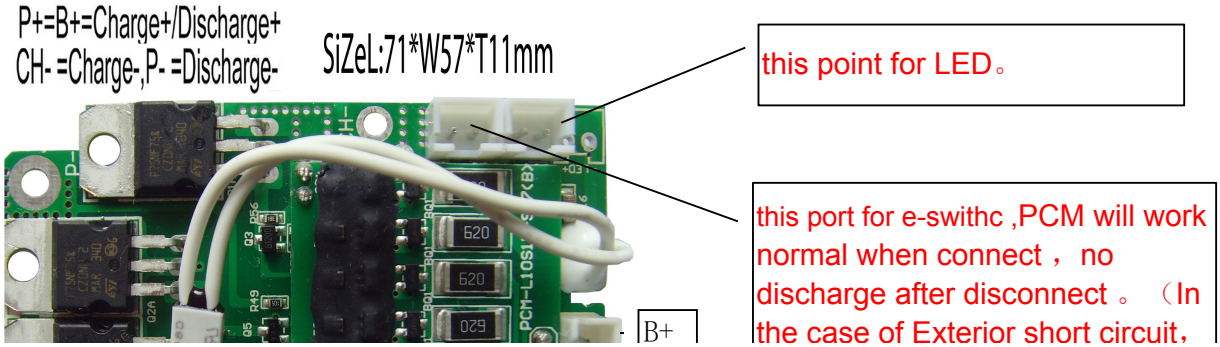
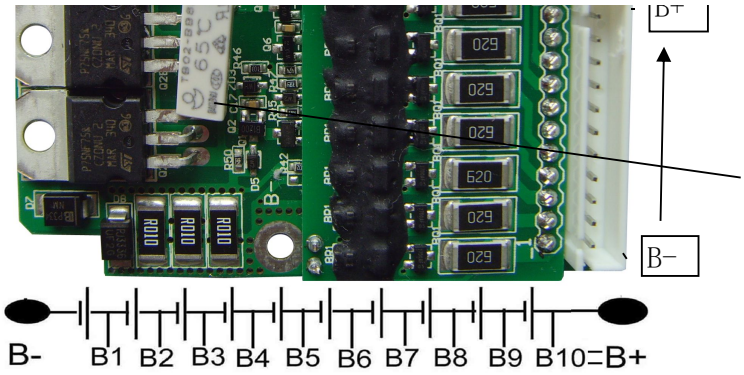
Protection Circuit Module Specifications For 37V Li-ion Battery Pack with Electric Switch and fuel gauge port

Model: PCM-L10S15-947（10S）

No.	Test Item		Criterion
1	Voltage	Charging voltage	DC:42V CC/CV
		Balance voltage for single cell	4.20±0.025V
2	Current	Balance current for single cell	67±5mA
		Current consumption for single cell	≤100μA
		Maximal continuous charging current	5A
		Maximal continuous Discharging current	15A
3	Over charge Protection	Over charge detection voltage	4.25±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.15±0.025V
4	Over discharge protection	Over discharge detection voltage	2.75±0.05V
		Over discharge detection delay time	10—200mS
		Over discharge release voltage	3.0±0.05V
	Over current protection	Over current detection current	80±10A
		Detection delay time	5ms—20ms
		Release condition	Cut load,press electric switch
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load, press electric switch
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating Temperature Range	-40～+70℃
		Storage Temperature Range	-40～+125℃





the case of Exterior short circuit,
Please do not turn on the switch）

temperature switch :65 degre，
to detect battery pack.

制定：石龄河　　审核：　　批准：

PCM Connect

Item	Details
B-	Connect to Negative Side of the pack.
P-	Discharging Negative Port.
C-	Charging Negative Port.
B1	Connect to Positive Side of Cell 1.
B2	Connect to Positive Side of Cell 2.
B3	Connect to Positive Side of Cell 3.
B4	Connect to Positive Side of Cell 4.
B5	Connect to Positive Side of Cell 5.
B6	Connect to Positive Side of Cell 6.
B7	Connect to Positive Side of Cell 7.
B8	Connect to Positive Side of Cell 8.
B9	Connect to Positive Side of Cell 9.
B10=B+	Connect to Positive Side of Cell 10.