

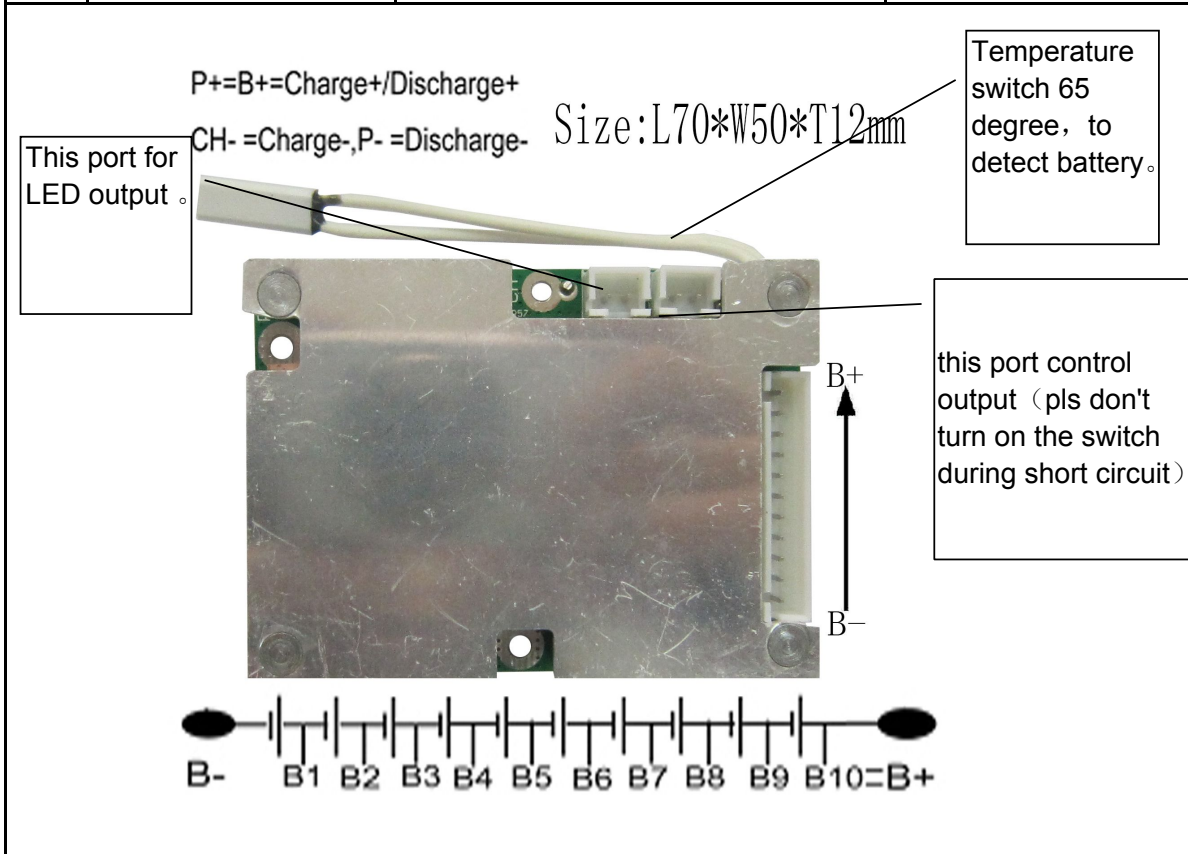
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Protection Circuit Module Specifications For 37V(6-10S) Li-ion Battery Pack

Model: PCM-L10S15-A95(A-3) (10S)

No.	Test Item		Criterion
1	Voltage	Charging voltage	DC:42V CC/CV
		Balance voltage for single cell	4.20±0.05V
2	Current	Balance current for single cell	67±5mA
		Current consumption for single cell	≤100 μA
		Maximal continuous charging current	5A
		Maximal continuous Discharging current	15A
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	2.75±0.1V
		Over discharge detection delay time	10—200mS
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection voltage	100±25mv
		Over current detection current	50±10A
		Detection delay time	5ms—60ms
		Release condition	Cut load or Press E-switch
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load or Press E-switch
7	Resistance	Protection circuitry	≤20m Ω
8	Temperature	Operating Temperature Range	-40~+70℃
		Storage Temperature Range	-40~+125℃



PCM Connect

Item	Details
B-	Connect to Negative Side of the pack.
P-	Discharging Load Negative & Charging Negative Port.
P+	Discharging Load Positive & Charging Positive 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.