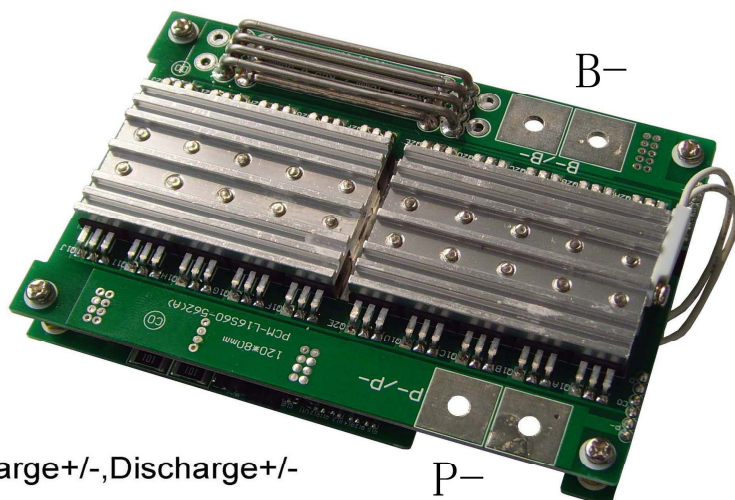
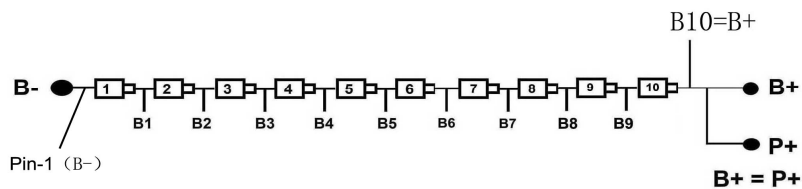


Protection Circuit Module Specifications For 37V Li-ion/Li-PO Battery Pack

Model: PCM-SM31-37V

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 42V CC/CV (4.2V/1Cell)
		Balance voltage for single cell	4.20V±0.025V
2	Current	Balance current for single cell	84mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	60A
		Maximal continuous discharging current	60A
3	Over charge Protection (single cell)	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 (single cell)	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	170±20A
		Detection delay time	5ms—20ms
		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 (B- TO P-)	≤30mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

L120*W80*T30mm



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

P-