

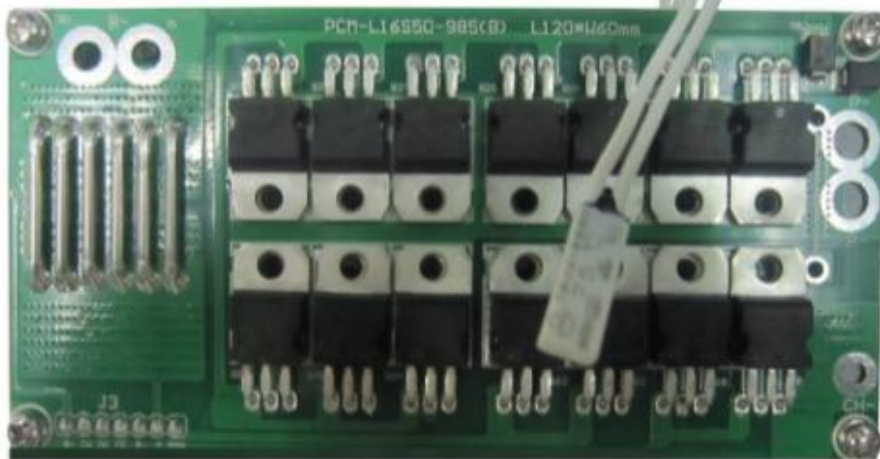
# Protection Circuit Module Specifications For 22.2V Li-ion Battery Pack

Model: PCM-L16S50-985 (6S)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:25.2V CC/CV
		Balance voltage for single cell	4.20±0.05V
2	Current	Balance current for single cell	84±10mA
		Current consumption	≤100μA
		Maximal continuous charging current	10A
		Maximal continuous Discharging current	60A
3	Over charge Protection	Over charge detection voltage	4.250V±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.15V±0.1V
4	Over discharge protection	Over discharge detection voltage	2.50V±0.1V
		Over discharge detection delay time	10ms—200ms
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection current	180±30A
		Detection delay time	5ms—60ms
		Release condition	cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	cut load
7	Resistance	Protection circuitry (MOSFET) B-toP-	≤20mΩ
8	Temperature	operation Temperature range	-40~+70℃
		Storage Temperature Range	-40~+125℃

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

SizeL:120\*W60\*T17mm



B--Weld a power supply line with the proper diameter from the B- port of guard shield and connect it with negative pole of battery pack (B-);

Connect line B1 signed in the line-connection drawing with the second battery's pole in the battery pack;

Connect line B2 signed in the line-connection drawing with the third battery's pole in the battery pack;

Connect line B3 signed in the line-connection drawing with the fourth battery's pole in the battery pack;

Connect line B4 signed in the line-connection drawing with the fifth battery's pole in the battery pack;

Connect line B5 signed in the line-connection drawing with the sixth battery's pole in the battery pack;

Connect line B6=B+ signed in the line-connection drawing with the B+ battery's pole in the battery pack;