

# Protection Circuit Module Specifications For 48.1V Li-ion/Lipo Battery Packs

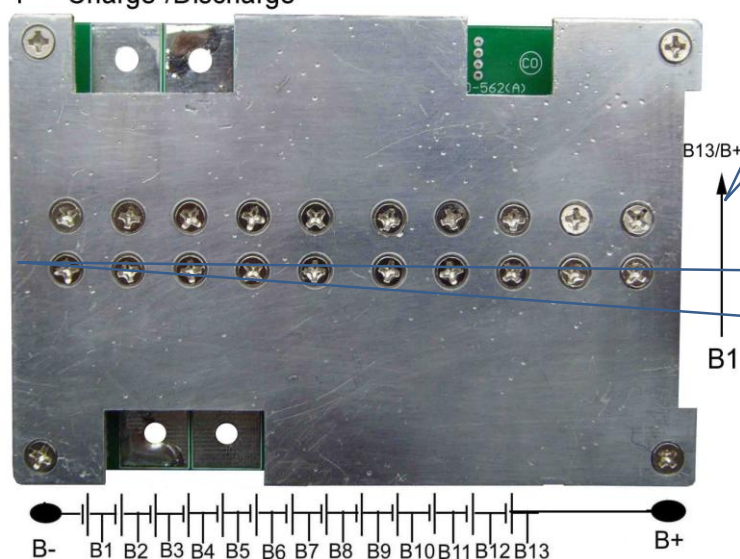
Model:PCM-L16S60-562(13S)

No.	Test Item		Criterion
1	Voltage	Charging voltage	DC:54.6V CC/CV
		Balance voltage for single cell	4.20±0.025V
2	Current	Balance current for single cell	84±10mA
		Current consumption for single cell	≤20μ A
		Maximal continuous charging current	40A
		Maximal continuous Discharging current	40A
3	Over charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05±0.1V
4	Over discharge protection	Over discharge detection voltage	2.50±0.1V
		Over discharge detection delay time	10mS—300mS
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection current	150±20A
		Detection delay time	5ms—60ms
		Release condition	Cut load, Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load, Auto Recovery
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=B+=Charge+/Discharge+

P- =Charge-/Discharge-

Size:L120\*W80\*T30mm



接线图作为连接参考，请参照实际样品。

Connection diagram as a reference, pls refer to real sample.

温度开关65度，用于检测电芯温度。Temperature switch 65 degrees, the batteries used in the detection of temperature.

1.Rows of bottom-up followed by B - to B +(direction according to the above picture)

2.The wiring must be according to the above order,(B-, B1, B2... B13 = B +), otherwise it will lead to bad performance!