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Protection Circuit Module Specifications For 24V Lifepo4 Battery Pack

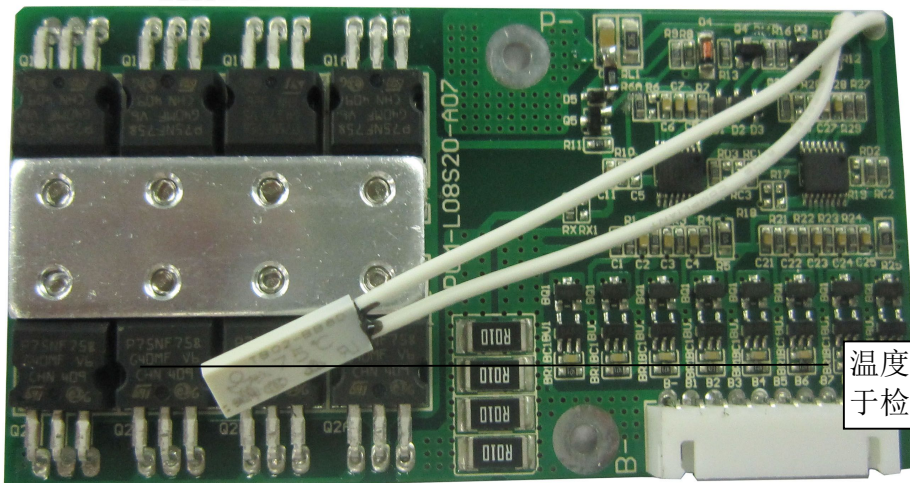
Model: PCM-L08S20-A07 (8S)

No.	Test Item		Criterion
1	Voltage	Charging voltage	DC:28.8V 3.6V/Cell
		Balance voltage for single cell	3.60V±0.05V
2	Current	Balance current for single cell	58mA±5mA
		Current consumption for single cell	≤100μA
		Maximal continuous charging current	16A
		Maximal continuous Discharging current	16A
3	Over charge Protection	Over charge detection voltage	3.80±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.6±0.1V
4	Over discharge protection	Over discharge detection voltage	2.0±0.1V
		Over discharge detection delay time	10mS—200mS
		Over discharge release voltage	2.3±0.1V
5	Over current protection	Over current detection current	80±10A
		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	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

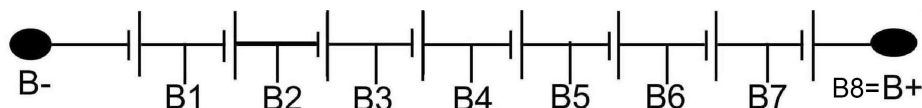
B+=P+=Charge+=Discharge+

P-=Charge-=Discharge-

Size:L98*W50*T9.5mm



温度开关75度，用于检测电芯温度。



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 =B+	Connect to Positive Side of Cell 8.