

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

PCM-L10S20-E23 (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	68±10mA
		Current consumption	≤150 μA
		Maximal continuous charging current	25A
		Maximal continuous Discharging current	25A
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	150—400ms
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection current	55±10A
		Detection delay time	100ms—300ms
		Release condition	charger release
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (MOSFET)	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+70℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P- =Charge-/Discharge-

Size:L92*W54*T9mm

