

Protection Circuit Module Specifications For 11.1V Li-ion/Li-po Battery Pack

Model: PCM-LI3S8A

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 12.6V CC/CV (3S)
		Balance voltage for single cell	4.20V±0.03V
2	Current	Balance current for single cell	42±5mA
		Current consumption for single cell	≤50 μA
		Maximal continuous charging current	8A
		Maximal continuous discharging current	8A
3	Over charge Protection (single cell)	Over charge detection voltage	4.25V±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.15V±0.1V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.50V±0.1V
		Over discharge detection delay time	50ms—1500ms
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection voltage	100±25mv
		Over current detection current	20±3A
		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	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P- =Charge-/Discharge- Size: L53.5*W16*T3mm

