

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

Model: PCM-LI3S4A Separated charge/discharge points

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 12.6V CC/CV (4.2V/cell)
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	≤50 μA
		Maximal continuous Charging current	4A
		Maximal continuous discharging current	4A
3	Over charge Protection (single cell)	Over charge detection voltage	4.35V±0.025V
		Over charge detection delay time	0.3S—2S
		Over charge release voltage	4.15V±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.40V±0.08V
		Over discharge detection delay time (C9=1U)	300—2000ms
		Over discharge release voltage	3.0±0.10V
5	Over current protection	Over current detection voltage	150±25mv
		Over current detection current	7.5±1.5A
		Detection delay time (C9=1U)	30ms—200ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load
7	Resistance	Protection circuitry (B+ TO P+)	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

Charge: P- and C+  
Discharge: P- and P+

L50\*W16\*T3mm

