

Protection Circuit Module Specifications For 11.1(3S) Li-ion Battery Pack

Model: PCM-LI04S4-011(3S)

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:12.6V CC/CV
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	≤50uA
		Maximal continuous charging current	4A
		Maximal continuous Discharging current	4A
3	Over charge Protection	Over charge detection voltage	4.25±0.025V
		Over charge detection delay time	0.5~1.5S
		Over charge release voltage	4.15±0.05V
4	Over discharge protection	Over discharge detection voltage	2.5±0.08V
		Over discharge detection delay time	50~150mS
		Over discharge release voltage	3.0±0.10V
5	Over current protection	Over current detection voltage	0.10±0.015V
		Over current detection current	10±2A
		Detection delay time	5~15mS
		Release condition	Cut load, Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200~500uS
		Release condition	Cut load,Auto Recovery
7	Resistance	Protection circuitry	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

