

Protection Circuit Module Specifications For 14.8V Li-ion Battery Pack

Model: PCM-Li04S5-048 (4S)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:16.8V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Low Current consumption for single cell	$\leq 50 \mu A$
		Maximal continuous charging current	7A
		Maximal continuous Discharging current	7A
3	Over charge Protection (single cell)	Over charge detection voltage	$4.35V \pm 0.025V$
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	
4	Over discharge protection (single cell)	Over discharge detection voltage	$2.3V \pm 0.1V$
		Over discharge detection delay time	10—300ms
		Over discharge release voltage	$3.0 \pm 0.15V$
5	Over current protection	Over current detection voltage	$150 \pm 15mv$
		Over current detection current	$20 \pm 3A$
		Detection delay time	5ms—15ms
		Release condition	Automatic Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Automatic Recovery
7	Resistance	Protection circuitry	$\leq 50m \Omega$
8	Temperature	Operating Temperature Range	$-40 \sim +85^{\circ}C$
		Storage Temperature Range	$-40 \sim +125^{\circ}C$

SIZE:48*13mm

