

NBS Co.

PCM Specifications For 7.4V (2S) Li-ion Battery Packs

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption	Max:20μA
		Maximal continuous charging current	4A
		Maximal continuous Discharging current	4A
3	Over charge Protection	Over charge detection voltage for single cell	4.25V±0.025V
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage for single cell	4.05±0.05V
4	Over discharge protection	Over discharge detection voltage for single cell	2.80V±0.08V
		Over discharge detection delay time	50mS—150mS
		Over discharge release voltage for single cell	3.0±0.1V
5	Over current protection	Over current detection voltage	0.15±15mv
		Over current detection current	10±2A
		Detection delay time	5mS—15mS
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (MOSFET)	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃