2S 7.4V 4A NMC BMS DATASHEET- SEEGATE CORPORATION

No	Tested Item			Criterion
1	Voltage	Charging Voltage		DC:8.4V CC/CV
		Blance Volatage for single cell		/
2	Current	`		/
		Current consumption		≤6μA
		Max continuous charging current		4A
		Max continuous discharging current		4A
3	Over charge Protection	V_{DET1}	Over charge detection voltage	4.28±0.025V
		tV_{DET1}	Over charge detection delay time	900-1700ms
		VREL1	Over charge release voltage	4.08±0.05V
4	Over discharge protection	VDET2	Over discharge detection voltage	2.9±0.10V
		Tvdet2	Over discharge detection delay time	120-200ms
		VREL2	Over discharge release voltage	3.0±0.10V
5	Over current protection	VDET3	Over current detection voltage	0.20±0.030V
		IDP	Over current detection current	9-12A
			Release condition	Cut load
			Overcurrent detection delay time	1-20ms
6	Short protection		Detection condition	Exterior short circuit
			Release condition	Cut short circuit
			Short circuit current detection delay	100-400us
7	Interior resistance	RDS	Main loop electrify resistance	VC=4.2V, R_{DS}≤60mΩ
	Current consumption	IDD	Current consume in normal operation	≤12μA
8	Temperature	Operating Temperature		-45℃ -- +65℃
		Storage Temperature		-45℃ -- +85℃

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symbol	Description	symbol	Description
P+	Connect the positive end of the battery output / charging input	P−	Connect the negative end of the battery output / charging input
B+	Connect the battery 2 positive	BM	Connect the battery 1 positive battery 2 negative
B−	Connect the battery 1 negative