



Protection Circuit Module Specifications For 3.6V Li-ion Battery Pack

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC4.2V
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Low Current consumption for single cell	≤10μA
		Maximal continuous Discharging current	2.5A
3	Over charge Protection (single cell)	Over charge detection voltage	4.30±0.05V
		Over charge detection delay time	80—200mS
		Over charge release voltage	4.1±0.05V
4	Overdischargeprotection (single cell)	Over discharge detection voltage	2.40±0.1V
		Over discharge detection delay time	40—100mS
		Over discharge release voltage	3.0±0.1V
5	Overcurrent protection	Over current detection voltage	0.15±0.03V
		Over current detection current	4.0±0.5A
		Detection delay time	7.2ms—11ms

		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 (MOFSET)	$\leq 50\text{m}\Omega$
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C