

Protection Circuit Module Specifications For 3.2V LiFePO4 Battery Packs

Model: PCB-LFP2.5AS1

No.	Test item (Ta = 25°C)		Criterion
1	Voltage	Charging voltage	DC: 3.6V CC/CV
2	Current	Current consumption	≤10 μA
		Maximal continuous discharging current	2.5A
3	Over charge Protection	Over charge detection voltage	3.90±0.025V
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	3.80±0.025V
4	Over discharge protection	Over discharge detection voltage	2.0±0.05V
		Over discharge detection delay time	115—173ms
		Over discharge release voltage	2.3±0.05V
5	Over current protection	Over current detection voltage	0.1±0.15V
		Over current detection current	2.5-3.5A
		Detection delay time	7.2—11ms
		Release condition	cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	100-500us
		Release condition	cut load
7	Resistance	Protection circuitry	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

IC: S-8261ACEMD-G4ET2G (SEIKO)

MOSFET: AO8810 (Alpha & Omega)

