

# Protection Circuit Module Specifications For 3.2V LiFePO4 Battery Packs

Model: PCB-LFP3.2V4A

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	4A
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	4.5-7.5A
		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)

L28\*W5\*T2.5mm

MOSFET: AO8810\*2 (Alpha & Omega)

