

Protection Circuit Module Specifications For 3.2V LiFePO4 Battery Packs

Model: PCB-LFP3.2V5A

No.	Test item (Ta = 25°C)		Criterion
1	Voltage	Charging voltage	DC: 3.6V CC/CV
2	Current	Current consumption	$\leq 10 \mu A$
		Maximal continuous discharging current	5A
3	Over charge Protection	Over charge detection voltage	$3.90 \pm 0.025V$
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	$3.80 \pm 0.025V$
4	Over discharge protection	Over discharge detection voltage	$2.0 \pm 0.05V$
		Over discharge detection delay time	115—173mS
		Over discharge release voltage	$2.3 \pm 0.05V$
5	Over current protection	Over current detection voltage	$0.1 \pm 0.15V$
		Over current detection current	5-7A
		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	$\leq 40m \Omega$
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

IC: S-8261ACEMD-G4ET2G (SEIKO)

MOSFET: AO8810*2 (Alpha & Omega)



P+=B+=Charge+/Discharge+
 P- =Charge-/Discharge- Size: L25*W25*T2.0mm

