

Protection Circuit Module Specifications For 3.7V Li-ion/Li-Po Battery Pack

Model: PCB-S1A3

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:4.2V CC/CV
2	Current	Current consumption	$\leq 10 \mu A$
		Maximal continuous discharging current	3A
3	Over charge Protection	Over charge detection voltage	4.25±25mV
		Over charge detection delay time	700-1300ms
		Over charge release voltage	4.19±50mV
4	Over discharge protection	Over discharge detection voltage	2.80±50mV
		Over discharge detection delay time	115—175mS
		Over discharge release voltage	3.0±50mV
5	Over current protection	Over current detection voltage	0.15±15mV
		Over current detection current	5±1A
		Detection delay time	18ms—30ms
		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 (B- to P-)	$\leq 50m \Omega$
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

IC: HY2113-KB5B (HYCON)

MOSFET: AO8810 (Alpha & Omega)

P+=B+=Charge+/Discharge+ P- =Charge-/Discharge-

Size:L 16*W16*T2.3mm

