

Protection Circuit Module Specifications For 7.4V Li-ion/Li-Po Battery Pack

Model: PCB-2S20W LI-2S)

No.	Test item (Ta=25°C)		Criterion
1	Voltage	Charging voltage	DC: 8.4V CC/CV
2	Current	Current consumption	≤20 μA
		Maximal continuous discharging current	5.0A
3	Over charge Protection	Over charge detection voltage	4.250 ± 0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05V ±0.03V
4	Over discharge protection	Over discharge detection voltage	2.400 ± 0.100V
		Over discharge detection delay time	50—200mS
		Over discharge release voltage	3.00 V ±0.10V
5	Over current protection	Over current detection voltage(charge)	0.2 V ±0.015V
		Over current detection voltage(discharge)	0.2 V ±0.04V
		Over current detection current(charge)	10~16A
		Over current detection current(discharge)	10~16A
		Detection delay time	5ms—20ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤40mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

Protection IC: R4560N/K208A

L33*W14.7*T3mm

MOSFET: AO8814

P+=Charge+/Discharge+

P- =Charge-/Discharge-

