

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

## Model: PCB-S2A10

No.	Test item (Ta=25°C)		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption	≤20 μA
		Maximal continuous Discharging current	10A
3	Over charge Protection	Over charge detection voltage	4.25V±0.025V
		Over charge detection delay time	0.5—2S
		Over charge release voltage	4.05±0.05V
4	Over discharge protection	Over discharge detection voltage	2.40V±0.062V
		Over discharge detection delay time	50—200mS
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection voltage	0.2±0.015V
		Over current detection current	17~23A
		Detection delay time	5-20mS
		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	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

Protection IC: R4560N/K208AA

P+ = Charge+/Discharge+

P- = Charge-/Discharge-

B+ = P+

