

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

Model: PCM-L02S20-265 (Adpot Seiko S-8232 Protection IC)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
		Balance voltage for single cell	4.20V±0.025
2	Current	Balance current for single cell	42±3mA
		Low Current consumption for single cell	≤50 μ A
		Maximal continuous Discharging current	20A
3	Over charge Protection	Over charge detection voltage	4.30±0.025V
		Over charge detection delay time	0.5S-1.5S
		Over charge release voltage	4.10V±0.05V
4	Over discharge protection	Over discharge detection voltage	2.40V±0.08V
		Over discharge detection delay time	50-150ms
		Over discharge release voltage	3.0±0.10V
5	Over current protection	Over current detection voltage	150±25mv
		Over current detection current	25-35A
		Detection delay time	5ms-15ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Automatic Recovery
7	Resistance	Protection circuitry	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+/P- = Charge+/-, Discharge+/-

