

AA Portable Power Corp

Protection Circuit Module Specifications For 18.5V Li-ion Battery Pack

Model: PCM-BL005S-10A (5S)

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC:21V CC/CV
		Balance voltage for single cell	4.20±0.025V
2	Current	Balance current for single cell	62±5mA
		Current consumption for single cell	≤20 μ A
		Maximal continuous charging current	12A
		Maximal continuous Discharging current	12A
3	Over charge Protection	Over charge detection voltage	4.325±0.025V
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	4.075±0.025V
4	Over discharge protection	Over discharge detection voltage	2.50±0.05V
		Over discharge detection delay time	112mS—173mS
		Over discharge release voltage	2.9±0.05V
5	Over current protection	Over current detection voltage	0.62V
		Over current detection current	45±10A
		Detection delay time	7.2ms—11ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P-=Charge-/Discharge-

PCM-BL005S-10A L110*W40*9mm

