

Protection Circuit Module Specifications For 14.8V Li-ion Battery Packs

Model: BAC147

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:16.8V CC/CV
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Low Current consumption	$\leq 50\mu A$
		Maximal continuous charging current	2A
		Maximal continuous Discharging current	2A
3	Over charge Protection	Over charge detection voltage	$4.25\pm 0.025V$
		Over charge detection delay time	0.5—1.5S
		Over charge release voltage	$4.15\pm 0.05V$
4	Over discharge protection	Over discharge detection voltage	$2.70\pm 0.08V$
		Over discharge detection delay time	50—150mS
		Over discharge release voltage	$3.0\pm 0.1V$
5	Over current protection	Over current detection voltage	$0.20\pm 0.015V$
		Over current detection current	$8\pm 2A$
		Detection delay time	5ms—15ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	100-600uS
		Release condition	Cut load
7	Resistance	Protection circuitry	$\leq 60m\Omega$
8	Temperature	Operating Temperature Range	$-40\sim +85^{\circ}C$
		Storage Temperature Range	$-40\sim +125^{\circ}C$

P+=Charge+/Discharge+

Size:L30*w30*t2.5mm

P-=Charge-/Discharge-

FOR 4S
18650
PACK

