

Protection Circuit Module Specifications For 11.1V Li-ion Battery Packs

Model: BAC144

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:12.6V 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±0.025V
		Over charge detection delay time	0.5—1.5S
		Over charge release voltage	4.15±0.05V
4	Over discharge protection	Over discharge detection voltage	2.70±0.08V
		Over discharge detection delay time	50—150mS
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection voltage	0.20±0.015V
		Over current detection current	10±3A
		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~+85℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P-=Charge-/Discharge- Size:L25*W10*T3mm

