

Protection Circuit Module Specifications For 12.8V LiFePO4 Battery Packs

Model: BAC149

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:14.4V 3.6V/Cell
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Low Current consumption	≤33μ A
		Maximal continuous charging current	10A
		Maximal continuous Discharging current	60A
3	Over charge Protection	Over charge detection voltage	3.65±0.025V
		Over charge detection delay time	0.5—1.5S
		Over charge release voltage	3.50±0.05V
4	Over discharge protection	Over discharge detection voltage	2.40±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	0.10±0.015V
		Over current detection current	200±30A
		Detection delay time	10ms—30ms
		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	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=B+=Charge+/Discharge+

Size:L110*W45*T13mm

C-=Charge- , P-=Discharge-

