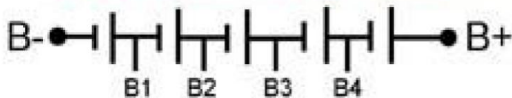
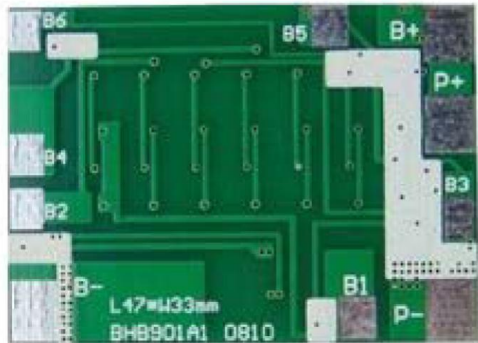


Protection Circuit Module

For 16V LiFePO4 Battery Pack

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:18V 3.6V/Cell
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	$\leq 50\mu\text{A}$
		Maximal continuous discharging current	7A
3	Overcharge Protection	Over charge detection voltage	$3.90\pm 0.025\text{V}$
		Over charge detection delay time	0.96S~1.4S
		Over charge release voltage	$3.80\pm 0.05\text{V}$
4	Over-discharge Protection	Over discharge detection voltage	$2.00\pm 0.05\text{V}$
		Over discharge detection delay time	115S~173mS
		Over discharge release voltage	$2.3\pm 0.05\text{V}$
5	Over Current Protection	Over current detection voltage	0.62v
		Over current detection current	$35\pm 5\text{A}$ (adjustable)
		Detection delay time	5ms~15ms
		Release condition	Automatic Recovery
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Automatic Recovery
7	Resistance	Protection circuitry	$\leq 60\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$
9	Size		L47*W33*T4(mm)



Remarks:

* Characteristics subject to change without notice.