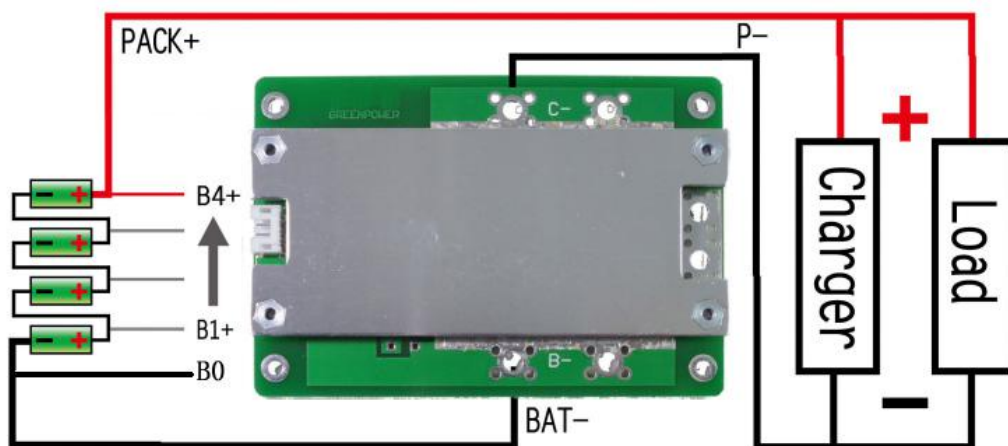


Battery Manage System(BMS) Manual

12V (4S) LiFePO4 Battery BMS Specifications			
Size:GPB-4E100TY(4S) http://www.vbis.cn			
No.	Project		Details
1	Voltage	Charging voltage	DC15V 3.75V/Cell
		Cell balanced voltage	$3.60 \pm 0.025V$
2	Current	Cell balanced Current	$100 \pm 10mA$
		Current consumption	
		Charging current	80A
		Discharge current	80A
3	Overcharge protection (Cell)	Detection overcharge voltage	$3.75 \pm 0.052V$
		Overcharge Reaction time	0.5S-1S
		Overcharge recovery voltage	$3.55 \pm 0.05V$
4	Overdischarge protection (Cell)	Detection overdischarge voltage	$2.20 \pm 0.05V$
		Overdischarge reaction time	10S
		Overdischarge recovery voltage	$2.70 \pm 0.05V$
5	Overcurrent protection	Detection overcurrent voltage	$2.20 \pm 0.05V$
		Overcurrent	80A
		Overcurrent reaction time	10S
		Restore state	2.70V
6	Short-circuit protection	Detection status	Short-circuit
		Reaction time	0.2S
		Restore state	Cutoff load
7	Internal resistance	Protection circuit(MOSET)	$\leq 2m\Omega$
8	Temperature	Operating Temperature	$-40 \sim +70^{\circ}C$
		Storage Temperature	$-40 \sim +70^{\circ}C$



磷酸铁锂保护板说明书

12V (4S) 磷酸铁锂电池组保护线路模块规格书			
型号:GPB-4E100TY(4S) http://www.vbis.cn			
序号	项目		标准
1	电压	充电电压	DC15V 3.75V/Cell
		单节均衡电压	3.60±0.025V
2	电流	单节均衡电流	100±10mA
		消耗电流	
		最大持续充电电流	80A
		最大持续放电电流	80A
3	过充电保护（单节）	过冲电检测电压	3.75±0.052V
		过充电检测延时时间	0.5S-1S
		过充电恢复电压	3.55±0.05V
4	过放电保护（单节）	过放电检测电压	2.20±0.05V
		过放电检测延时时间	10S
		过放电恢复电压	2.70±0.05V
5	过电流保护	过电流检测电压	2.20±0.05V
		过电流检测电流	80A
		过电流检测延时时间	10S
		恢复状态	2.70V
6	短路保护	检测状态	短路
		检测延时时间	0.2S
		恢复状态	断开负载自动恢复
7	内阻	保护线路(MOSET)	≤2mΩ
8	温度	工作温度范围	-40~+70℃
		储存温度范围	-40~+70℃

