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Featured Categories

PCM for Li-ion/Li-Polymer Battery Packs

PCM for LiFePO4 Battery Packs

- For 1S Packs (3.2V)
- For 2S Packs (6.4V)
- For 3S~4S Packs (9.6~12.8V)
- For 5S Packs (16V)
- For 6S~10S Packs (19.2~32V)
- For 11S~13S Packs (35.2~41.6V)
- For 14S~16S Packs (44.8V~51.2V)
- For 17S~19S Packs (54.4V~60.8V)
- For 20S~32S Packs (64V~102.4V)

BMS with Communications

Battery Fuel/Gas Gauge Board

Cell-Balance Board

Charge Management Board

FPC (Flexible PCB)

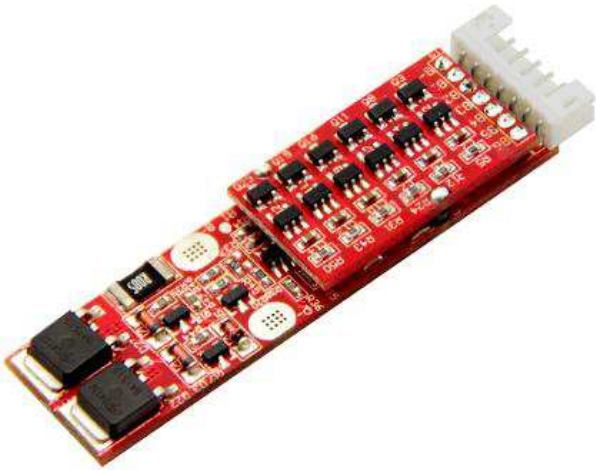
DC-DC-AC-DC

Customize Your Own BMS

Home->PCM for LiFePO4 Battery Packs ->For 6S~10S Packs (19.2-32V)-> For 6S Packs (19.2V)

Battery Management System (BMS) for 6 cells in series 19.2V LiFePO4 Battery Packs

Part number: HCX-D103



Features and Benefits

- 1.Protection Circuit Board for 19.2V 6S LiFePO4 battery pack;
- 2.PCB applies for 6 cells LiFePO4 battery pack;
- 3.To prevent the battery packs from overcharge,overdischarge,over current, over temperature ,short circuit ;
- 4.With cell balance/equilibrium function;
- 5.Compatible with all the LiFePO4 cells;
- 6.How balancing function works? after battery pack is fully charged. PCM will detect each cell's voltage and trim higher voltage down until other cells reach the same voltage level. Therefore, it helps cells have longer service life.

Specifications

Item	Contents		Criteria
1	Model	HCX-D103	6S-10A working current
2	Voltage	Charging voltage	21.6V
3	Current	Maximal continuous charging current	10A
		Maximal continuous discharging current	10A
		Current consumption	≤50μA
4	Overcharge Protection	Over charge detection voltage	3.6V~3.9V(Adjustable)
		Over charge detection delay time	0.5S~2S
		Over charge release voltage	3.5V~3.8V(Adjustable)
5	Over Discharge Protection	Over discharge detection voltage	2.0V~2.5V(Adjustable)
		Over discharge detection delay time	50~200mS
		Over discharge release voltage	2.0V~2.5V(Adjustable)
6	Over Current Protection	Over current detection voltage	0.1V~0.2V(Adjustable)
		Over current detection current	20A±20A
		Detection delay time	5~20mS
7	Short Circuit Protection	Release condition	Cut load,automatically recover
		Detection condition	Exterior shot circuit
		Detection delay time	200~500uS
8	Balance/Equilibrium	Release condition	Cut load,automatically recover
		Balance voltage for single cell	3.60V±0.025V
		Balance current for single cell	36mA±5mA
9	Resistance	Inner resistance	≤20mΩ
10	Temperature	Operating temperature range	0~+85°C
		Storage temperature range	0~ +85°C
11	Size (L*W*T)	L61mm*W16mm*T9mm	