

Protection Circuit Module Specifications For 25.6 V Lifepo4 Battery Pack

PCM-LFP25.6V16A

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:28.8V 3.6V/Cell
		Balance voltage for single cell	3.60±0.05V
2	Current	Balance current for single cell	72±10mA
		Current consumption	≤20 μA
		Maximal continuous charging current	16A
		Maximal continuous Discharging current	16A
3	Over charge Protection	Over charge detection voltage	3.90±0.05V
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	3.80±0.1V
4	Over discharge protection)	Over discharge detection voltage	2.00±0.1V
		Over discharge detection delay time	115mS—173mS
		Over discharge release voltage	2.3±0.05V
5	Over current protection	Over current detection voltage	0.62V
		Over current detection current	90±10A
		Detection delay time	7.2ms—11ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (MOSFET)	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P- =Charge-/Discharge-

Size:L100*W100*T9mm

