



Protection Circuit Module Specifications For 51.2V 16S Lifepo4 Battery Packs			
Model: PCM-L16S60-562 (16S)			
No.	Test item		Criterion
1	Voltage	Charging voltage	DC:57.6V 3.6V/Cell
		Balance voltage for single cell	3.60±0.025V
2	Current	Balance current for single cell	72±10mA
		Low Current consumption for single cell	≤20 μ A
		Maximal continuous charging current	60A
		Maximal continuous Discharging current	60A
3	Over charge Protection (single cell)	Over charge detection voltage	3.90±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.80±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.00±0.062V
		Over discharge detection delay time	10mS—200mS
		Over discharge release voltage	2.00±0.062V
5	Over current protection	Over current detection voltage	0.62V
		Over current detection current	180±30A
		Detection delay time	5ms—20ms
		Release condition	Cut load,Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load,Auto Recovery
7	Resistance	Protection circuitry	≤20m Ω
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C