

# Protection Circuit Module Specifications For 76.8V LiFePO4 Battery Packs

Model: PCM-LFP76.8V60A

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:86.4V CC/CV (3.6V/cell)
		Balance voltage for single cell	3.60V±0.03V
2	Current	Balance current for single cell	145mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous discharging current	60A
3	Over charge Protection	Over charge detection voltage	3.90±0.025V
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	3.80±0.025V
4	Over discharge protection	Over discharge detection voltage	2.0±0.05V
		Over discharge detection delay time	115—173mS
		Over discharge release voltage	2.3±0.05V
5	Over current protection	Over current detection voltage	0.6v
		Over current detection current	110±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	≤30mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

L262\*W140\*T40mm

