

Protection Circuit Module Specifications For 70.4V LiFePO4 Battery Packs

Model: PCM-L22S30-B55 (LFP-22S)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 79.2V 3.55~3.6V/Cell
		Balance voltage for single cell	3.60±0.03V
2	Current	Balance current for single cell	58±5mA
		Current consumption for single cell	≤50μA
		Maximal continuous charging current	30A
		Maximal continuous discharging current	30A
3	Over charge Protection (for single cell)	Over charge detection voltage	3.800±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.600±0.05V
4	Over discharge protection (for single cell)	Over discharge detection voltage	2.000±0.08V
		Over discharge detection delay time	2-4S
		Over discharge release voltage	2.500 ±0.1V
5	Over current protection	Over current detection voltage	0.15±0.015V
		Over current detection current	210+/-30A
		Detection delay time	1.2-1.6S
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P- =Charge-/Discharge-

