

Protection Circuit Module Specifications For 6.4V LiFePO4 Battery Packs

Model: PCM-LFP6V5A

No.	Test item (Ta=25°C)		Criterion
1	Voltage	Charging voltage	DC: 7.2V CC/CV (3.6V/Cell)
		Balance voltage for single cell	3.60V±0.03V
2	Current	Balance current for single cell	33±3mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	5A
		Maximal continuous discharging current	5A
3	Over charge Protection	Over charge detection voltage	3.90 V ±0.025 V
		Over charge detection delay time	0.3S-2S
		Over charge release voltage	3.50 V ±0.03V
4	Over discharge protection	Over discharge detection voltage	2.00 V ±0.05V
		Over discharge detection delay time	30—300mS
		Over discharge release voltage	2.50 V ±0.10V
5	Over current protection	Over current detection voltage	0.2 V ±0.01V
		Over current detection current	14±2A
		Detection delay time	2ms—20ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	80-600us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤40mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

P+=Charge+/Discharge+
P-=Charge-/Discharge- Size:L65*W10*T 2 mm

