

Protection Circuit Module Specifications For 6.4V LiFePO4 Battery Packs

Model: PCM-LFP6.4V8A

No.	Test item (Ta=25°C)	Criterion	
1	Voltage	Charging voltage	DC: 7.2V CC/CV (3.6V/Cell)
		Balance voltage for single cell	3.6V±0.03V
2	Current	Balance current for single cell	36mA±3mA
		Current consumption	≤25 μA
		Maximal continuous Discharging current	7A
3	Over charge Protection (single cell)	Over charge detection voltage	3.90 V ±0.025 V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.45 V ±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.00 V ±0.05V
		Over discharge detection delay time	50—200mS
		Over discharge release voltage	2.50 V ±0.05V
5	Over current protection	Over current detection voltage	0.2 V ±0.03V
		Over current detection current	17±3A
		Detection delay time	5ms—20ms
		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°C
		Storage Temperature Range	-40~+125°C

L40*W18*T2.5mm

P+ = Charge+/Discharge+ P- = Charge-/Discharge-

