



PCM for 12.8/13.2V LiFePO4 Battery Pack

SPECIFICATIONS

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:14.4 CC/CV 3.6V/Cell
		Balance voltage for single cell	3.60V±0.05V
2	Current	Balance current for single cell	116±10mA
		Low Current Consumption	Max 200µA
		Maximal continuous Discharging current	101A
		Maximal continuous Charging current	101A
3	Over Charge Protection	Over charge detection voltage	3.90V±0.05V
		Over charge detection delay time	0.8 - 2S
		Over charge release voltage	3.60V±0.1V
4	Over Discharge Protection	Over discharge detection voltage	2.00V±0.05V
		Over discharge detection delay time	50 - 150mS
		Over discharge release voltage	2.70±0.1V
5	Over Current Protection	Over current detection current	500±50A
		Detection delay time	<300mS
		Release condition	Cut load / Auto release
6	Over Temperature Protection	Over temperature detection value	75°C±3°C
		Detection delay time	5s
		Protection effect	Turn off charging FET
		Release condition	<55°C
7	Short Protection	Detection condition	>1100A
		Detection delay time	<800µs
		Release condition	Short circuit release / Auto recovery
8	Resistance	Protection circuitry	≤5mΩ
9	Temperature	Operating Temperature Range	-20~+85°C
		Storage Temperature Range	-40~+125°C
10	Dimensions	L 200.0mm x W 115.0mm x T 10.0mm	





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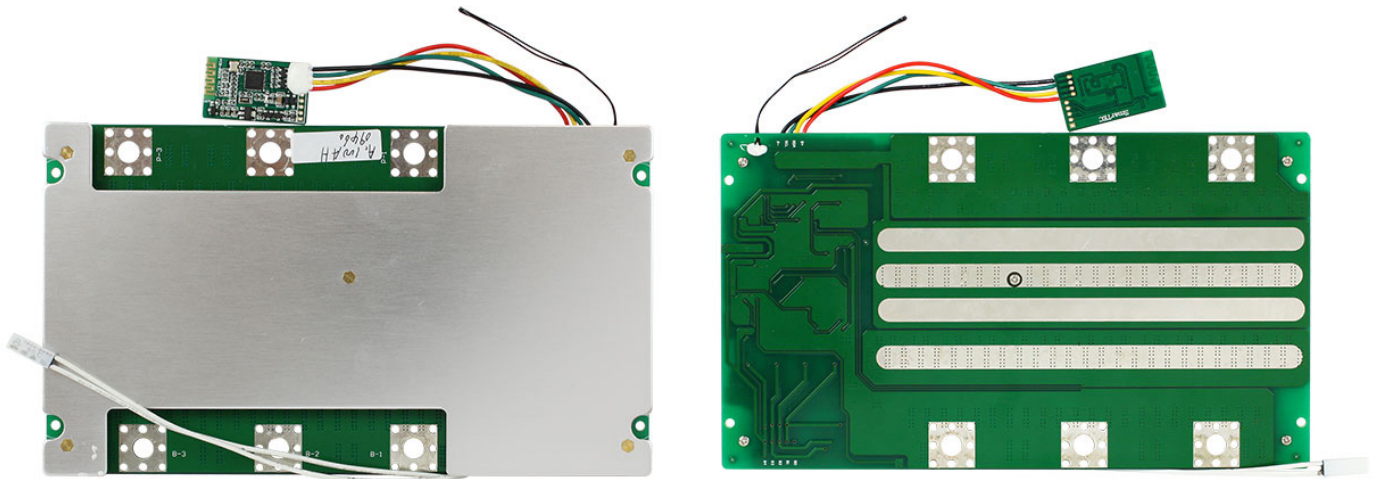
MIPCM-4SXP100A-LFP

Protection Circuit Module (PCM)



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IMAGE



CONNECTION DIAGRAM

