

Protection Circuit Module Specifications For 12.8V LiFePO4 Battery Packs			
Model: PCM-LFP12AS4 (LFP-4S)			
No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 14.4V CC/CV (3.6V/cell)
		Balance voltage for single cell	3.60V±0.025V
2	Current	Balance current for single cell	36±3mA
		Current consumption for single cell	≤50 μ A
		Maximal continuous Discharging current	12A
3	Over charge Protection (single cell)	Over charge detection voltage	3.900 ± 0.025 V
		Over charge detection delay time	0.3S—2S
		Over charge release voltage	3.800 ± 0.050 V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.30 ± 0.080 V
		Over discharge detection delay time (C2=1U)	300-2000ms
		Over discharge release voltage	2.70 ± 0.100 V
5	Over current protection	Over current detection voltage	0.30 ± 0.025 V
		Over current detection current	35±5A
		Detection delay time (C2=1U)	30ms—200ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	100-600us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

