

# Protection Circuit Module Specifications For 12.8V LiFePO4 Battery Packs

Model: PCM-L04S30-566 (LFP-4S)

No.	Test item (Ta = 25° C)	Criterion	
1	Voltage	Charging voltage	DC: 14.2V CC/CV (3.55V/cell)
		Balance voltage for single cell	3.6V±0.03V
2	Current	Balance current for single cell	72mA±5mA
		Current consumption for single cell	≤20 μ A
		Maximal continuous charging current	20A
		Maximal continuous discharging current	30A
		Over charge Protection (single cell)	Over charge detection voltage
3	Over charge Protection (single cell)	Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	3.80±0.025V
		Over discharge protection (single cell)	Over discharge detection voltage
4	Over discharge protection (single cell)	Over discharge detection delay time	100—200mS
		Over discharge release voltage	2.3±0.05V
		Over current protection	Over current detection voltage
5	Over current protection	Over current detection current	90-110A
		Detection delay time	5ms—15ms
		Release condition	cut load
		Short protection	Detection condition
6	Short protection	Detection delay time	100-500us
		Release condition	cut load
		Resistance	Protection circuitry (B- TO P-)
7	Resistance	Operating Temperature Range	-40~+85°C
8	Temperature	Storage Temperature Range	-40~+125°C

P- = Charge-/Discharge- Size: L60\*W60\*T5mm

