

# Protection Circuit Module Specifications For 16V LiFePO4 Battery Packs

## Model: PCM-LFP20AS5

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 18V CC/CV (3.6V/1cell)
		Balance voltage for single cell	3.60V±0.03V
2	Current	Maximal continuous charging current	20A
		Maximal continuous discharging current	20A
		Balance current for single cell	53mA±5mA
		Current consumption for single cell	≤20 μA
3	Over charge Protection	Over charge detection voltage	3.90±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.80±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.0±0.05V
		Over discharge detection delay time	100—250ms
		Over discharge release voltage	2.3±0.1V
5	Over current protection (single cell)	Over current detection voltage	0.6±0.1V
		Over current detection current	90±10A
		Detection delay time	5ms—20ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

L140\*W55\*T9mm

