

# Protection Circuit Module Specifications For 18.5V Li-ion/Li-po Battery Pack

Model: PCM-LI5S30A

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 21V CC/CV (4.2V/1cell)
		Balance voltage for single cell	4.2V±0.03V
2	Current	Balance current for single cell	68mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	30A
		Maximal continuous discharging current	30A
3	Over charge Protection (single cell)	Over charge detection voltage	4.28±0.03V
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	4.08±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.3±0.05V
		Over discharge detection delay time	10—30mS
		Over discharge release voltage	3.0±0.05V
5	Over current protection	Over current detection voltage	0.6±0.05V
		Over current detection current	90±10A
		Detection delay time	10ms—30ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤40m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃
		Over Temperature protection (discharge)	65±5℃

124\*52\*6mm

