

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

Model: PCM-SM15-18.5V

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	85mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	20A
		Maximal continuous discharging current	20A
		Over charge Protection (single cell)	Over charge detection voltage
3	Over charge Protection (single cell)	Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05±0.05V
		Over discharge protection (single cell)	Over discharge detection voltage
4	Over discharge protection (single cell)	Over discharge detection delay time	10—30mS
		Over discharge release voltage	3.0±0.1V
		Over current protection	Over current detection voltage
5	Over current protection	Over current detection current	120±15A
		Detection delay time	5ms—20ms
		Release condition	Cut load
		Short protection	Detection condition
6	Short protection	Detection delay time	200-500us
		Release condition	Cut load
		Resistance	Protection circuitry (B- TO P-)
7	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃
		Over Temperature protection (discharge)	65±5℃

L150*W60*T10mm

