

Protection Circuit Module Specifications For 25.9V Li-ion/Li-po Battery Pack

Model: PCM-SM24-25.9

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 29.4V CC/CV (4.2V/1cell)
		Balance voltage for single cell	4.2V±0.025V
2	Current	Balance current for single cell	85mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	15A
		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—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
		5	Over current protection
Over current detection current	120±20A		
Detection delay time	5ms—20ms		
Release condition	Cut load		
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

L80*W60*T20mm

Charge: P+ and CH-
Discharge: P+ and P-

