

# Protection Circuit Module Specifications For 29.6V Li-ion/Li-po Battery Pack

Model: PCM-SM16-29.6

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC:33.6V 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 discharging current	12A
3	Over charge Protection (single cell)	Over charge detection voltage	4.325±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.075±0.025V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.50±0.05V
		Over discharge detection delay time	100—200mS
		Over discharge release voltage	2.9±0.05V
5	Over current protection	Over current detection voltage	0.15V±0.025V
		Over current detection current	40-60A
		Detection delay time	5ms—15ms
		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 (B- TO P-)	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=Charge+/Discharge+

P- =Charge-/Discharge-

Size:L60\*W39\*T9mm

