

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

Model: PCM-L07S10-386 (7S)

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 μ A
		Maximal continuous charging current	10A
		Maximal continuous discharging current	10A
3	Over charge Protection (single cell)	Over charge detection voltage	4.25±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.5±0.07V
		Over discharge detection delay time	10—30mS
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection voltage	0.2±0.015V
		Over current detection current	50±10A
		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-)	50m
8	Temperature	Operating Temperature Range	-40 ~ +85
		Storage Temperature Range	-40 ~ +125

Charge: B+/P+, CH-
Discharge: B+/P+, P-

SIZE: L60*W55*T10

