

Protection Circuit Module Specifications For 14.8V Li-ion/Li-po Battery Pack

Model: PCM-L04S30-566 (Li-4S)

No.	Test item (Ta = 25° C)	Criterion	
1	Voltage	Charging voltage	DC: 16.8V CC/CV (4.2V/cell)
		Balance voltage for single cell	4.2V±0.03V
2	Current	Balance current for single cell	84mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	20A
		Maximal continuous discharging current	30A
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	0.6±0.1V
		Over current detection current	90-110A
		Detection delay time	5ms—15ms
		Release condition	cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	100-500us
		Release condition	cut load
7	Resistance	Protection circuitry (B- TO P-)	≤30mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
		Over Temperature protection (discharge)	60±5°C

P- = Charge-/Discharge- Size: L60*W60*T5mm

