

# Protection Circuit Module Specifications For 59.2V Li-ion/Li-po Battery Pack

Model: PCM-LI59.2V100A

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 67.2V 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	40A
		Maximal continuous discharging current	100A
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	350±30A
		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℃

L192\*W137\*T45mm

