

# Protection Circuit Module Specifications For 8S Li-ion/Li-Po Battery Pack

Model: PCM-LI29.6V10A

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:33.6V CC/CV
		Balance voltage for single cell	4.20V±0.05V
2	Current	Balance current for single cell	62mA±5mA
		Current consumption for single cell	≤20 μ A
		Maximal continuous charging current	10A
		Maximal continuous discharging current	10A
3	Over charge Protection	Over charge detection voltage	4.325±0.05V
		Over charge detection delay time	0.5~2S
		Over charge release voltage	4.075±0.1V
4	Over discharge protection	Over discharge detection voltage	2.50±0.1V
		Over discharge detection delay time	10 - 200mS
		Over discharge release voltage	2.9±0.1V
5	Over current protection	Over current detection current	70±10A
		Detection delay time	5 - 60ms
		Release condition	Cut load, automatically recover
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load, automatically recover
7	Resistance	Protection circuitry (B- TO P-)	≤30m Ω
8	Temperature	Operating Temperature Range	-40 to +85°C
		Storage Temperature Range	-20 to +125°C
9	Dimension (LxWxT)	L120mm x W47mm x T9mm	

