

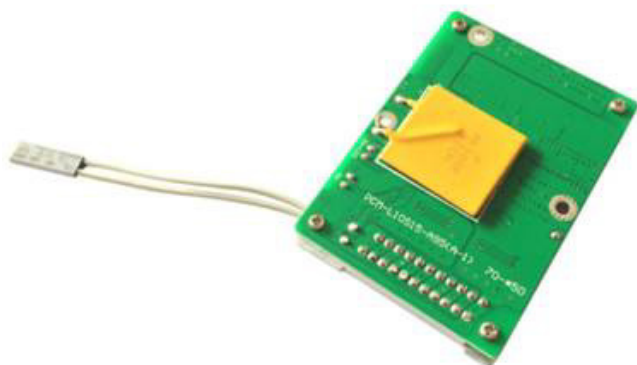


PCM for 36/37V Lilon Battery Pack

SPECIFICATIONS

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:42V CC/CV
		Balance voltage for single cell	4.20V±0.05V
2	Current	Balance current for single cell	67mA±5mA
		Low current consumption for single cell	≤150µA
		Maximal continuous Charge current	5A
		Maximal continuous Discharging current	15A
3	Over Charge Protection	Over charge detection voltage	4.25V±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.15V±0.1V
4	Over Discharge Protection	Over discharge detection voltage	2.75V±0.1V
		Over discharge detection delay time	10—200mS
		Over discharge release voltage	3.0±0.1V
5	Over Current Protection	Over current detection current	60±10A
		Detection delay time	5-60ms
		Release condition	Disconnect load
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Disconnect load
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating temperature range	-40~+70°C
		Storage temperature range	-40~+125°C
9	Dimensions	L 70mm x W 50mm x T 12mm	

LAYOUT DIAGRAM



CONNECTION DIAGRAM

