

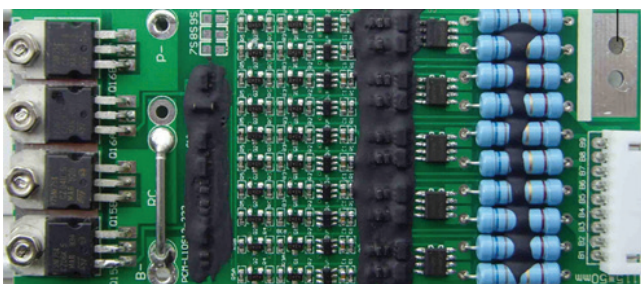


PCM for 36/37V Lilon Battery Pack

SPECIFICATIONS

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:42V CC/CV
		Balance voltage for single cell	4.20V±0.025V
2	Current	Balance current for single cell	62±5mA
		Low Current consumption for single cell	≤50μA
		Maximal continuous Charge/Discharging current	16A
3	Over Charge Protection	Over charge detection voltage	4.25V±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05V±0.05V
4	Over Discharge Protection	Over discharge detection voltage	2.50V±0.062V
		Over discharge detection delay time	10—300ms
		Over discharge release voltage	2.50±0.062V
5	Over Current Protection	Over current detection current	90±20A
		Detection delay time	10-300ms
		Release condition	Cut load
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Charge
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
9	Dimensions	L 115.0mm x W 50.0mm x T 9.0mm	

LAYOUT DIAGRAM



CONNECTION DIAGRAM

