

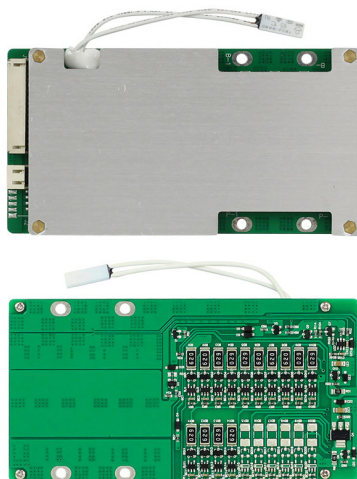


PCM for 50.4/51.8V Lilon Battery Pack

SPECIFICATIONS

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:58.8V CC/CV
		Balance voltage for single cell	4.20V±0.05V
2	Current	Balance current for single cell	84±10mA
		Current consumption for single cell	≤20μA
		Maximal continuous Charging current	25A
		Maximal continuous Discharging current	25A
3	Over Charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05±0.1V
4	Over Discharge Protection	Over discharge detection voltage	2.50±0.1V
		Over discharge detection delay time	10mS—200mS
		Over discharge release voltage	2.50±0.1V
5	Over Current Protection	Over current detection current	70±20A
		Detection delay time	5ms—60ms
		Release condition	Cut load, auto recovery
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load, auto recovery
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
9	Dimensions	L 120.0mm x W 65.0mm x T 9.0mm	

LAYOUT DIAGRAM



CONNECTION DIAGRAM

