



PCM for 14.4/14.8V Lilon Battery Pack

SPECIFICATIONS

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:16.8V CC/CV 4.20V/Cell
		Balance voltage for single cell	4.20±0.05V
2	Current	Balance current for single cell	84±10mA
		Low current consumption for single cell	≤20µA
		Maximal continuous discharging current	40A
		Maximal continuous charging current	40A
3	Over Charge Protection	Over charge detection voltage	4.25V±0.05V
		Over charge detection delay time	0.5 - 2.0S
		Over charge release voltage	4.05±0.1V
4	Over Discharge Protection	Over discharge detection voltage	2.50±0.10V
		Over discharge detection delay time	10 - 200mS
		Over discharge release voltage	3.00±0.1V
5	Over Current Protection	Over current detection current	120±20A
		Detection delay time	5 - 60ms
		Release condition	Cut load / Auto release
6	Short Protection	Detection current	Exterior short circuit
		Detection delay time	200-500µs
		Release condition	Short circuit release / auto recovery
7	Resistance	Protection circuitry	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
9	Dimensions	L 80.0mm x W 60.0mm x T 7.0mm	



