

Protection Circuit Module Specifications For 11.1V Li-ion/Li-Po Battery Pack

Model: PCM-L04S07-E28 (4S)

No. 编号	Test item 测试项目 (Test at normal temperature 25±2°C and relative humidity≤90%)	Criterion 标准	
1	Communication Interface 通信接口	SMBUS	
2	Charging voltage 充电电压	DC: 14.4V CC/CV (4.2V/1cell)	
3	Capacity 容量	Designing battery capacity (PCM)	
		External capacity Indication 外部容量指示	LCD,LED
		Gas gauge algorithm 电量算法	IT (High accuracy)
4	Current 电流	Normal operating-mode current 正常工作模式 (Gas Gauge IC)	600 uA (平均值)
		SLEEP operating-mode current 休眠模式 (Gas Gauge IC)	200 uA (平均值)
		Maximal continuous charging current 最大持续充电电流	5A
		Maximal continuous discharging current 最大持续放电电流	5A
5	Over charge Protection 过充电保护 (单节)	Over charge detection voltage 过充电检测电压	4.25±0.05V
		Over charge detection delay time 过充电检测延时时间	0.5S—2S
		Over charge release voltage 过充电恢复电压	4.10±0.10V
6	Over discharge protection 过放电保护 (单节)	Over discharge detection voltage 过放电检测电压	2.5±0.10V
		Over discharge detection delay time 过放电检测延时时间	0.5S—2S
		Over discharge release voltage 过放电恢复电压	3.0±0.1V
7	Over current protection 过电流保护	Over current detection current 过电流检测电流	10±2A
		Detection delay time 过电流检测延时时间	0.5S—2S
		Release condition 恢复状态	Cut load 断开负载, 自动恢复
8	Short protection 短路保护	Detection condition 检测状态	Exterior short circuit 外部短路
		Detection delay time 检测延时时间	200-600us
		Release condition 恢复状态	Cut load 断开负载, 自动恢复
9	Resistance 内阻	Protection circuitry 保护线路 (MOSFET)	≤50mΩ
10	Temperature 温度	Operating Temperature Range 工作温度范围	-40~+85°C
		Storage Temperature Range 储存温度范围	-40~+125°C
		Discharging Temperature Protection 放电温度保护	65°C

SIZE: L65 *W18 *T4 mm

NTC:10KNTC Temperature switch: / Weak current switch: / Activation Method: /

