

Data Sheet 规格书

Product name 品名: Protection Circuit Module 保护板

Model No 型号: PCM-L01S05-294

For 1S Lithium-ion/Lithium Polymer/LiFePO4 Battery Packs

适用于1S 锂离子/锂聚合物/磷酸铁锂电池组

Items 项目		Specifications 规格	
		Lithium-ion/Lithium Polymer 锂离子/锂聚合物	LiFePO4 磷酸铁锂
Charge 充电	Charging voltage (CC/CV) 充电电压	CC/CV: 4.2V	CC/CV: 3.6V
	Maximal continuous charging current 最大连续充电电流	5a(Max)	
Discharge 放电	Maximal continuous discharging current 最大持续放电电流	5a(Max)	
Low current consumption 低消耗电流	Current consumption on operation 工作时消耗电流	<10μA	
	Current consumption at power down 休眠时消耗电流	<0.1μA	
Cell-balance 电量平衡	Cell-balance detection voltage 电量平衡检测电压	/	/
	Cell-balance release voltage 电量平衡解除电压	/	/
	Cell-balance current 电量平衡电流	/	/
Over-charge 过充电	Overcharge detection voltage 过充电检测电压	4.25±0.025V	3.900 ± 0.025 V
	Overcharge release voltage 过充电解除电压	4.05±0.05V	3.800 ± 0.050 V
	Overcharge delay time 过充电检测延迟时间	0.5~2S	
Over-discharge 过放电	Overdischarge detection voltage 过放电检测电压	2.50±0.062V	2.00 ± 0.080 V
	Overdischarge release voltage 过放电解除电压	3.0±0.075V	2.30 ± 0.100 V
	Overdischarge delay time 过放电检测延迟时间	50~200mS	
Discharge overcurrent 放电过流	Discharge overcurrent detection voltage 放电过流检测电压	0.2v±0.015V	0.10 ± 0.015 V
	Discharge overcurrent delay time 放电过流检测延迟时间	5~15ms	
	Discharge overcurrent protection 放电过电流保护	12±3a(adjustable)	
	Release condition 释放状态	Cut-off-load 切断负载	
Short-circuiting protection 短路保护	Load short-circuiting detection voltage 负载短路检测电压		
	Detection condition 检测条件	Exterior short circuit 外部短路	
	Load short-circuiting detection delay time 负载短路检测延迟时间	100 ~ 600μs	
	Release condition 释放状态	Cut-off-load 切断负载	
Internal resistance 内阻	Static Drain-Source On-Resistance 在静态漏源电阻	<50mΩ (B- to P-)	
Temperature 温度	Wide range of operation temperature 宽工作温度范围	- 40 ~ + 85 °C	
	Storage Temperature Range 存储温度范围	-40 ~ +125°C	
Dimension 尺寸		L28*W5*T2.5mm	

