

Protection board parameters
保护板详细参数

Short time duration current

短时持续 Instantaneous current	500A				
瞬间电流	1800A				
Main circuit conduction internal resistance 主回路导通内阻	<0.8mR				
Charging current [same port] 充电电流【同口】	300A				
Continuous current [same port] 持续电流【同口】	300A				
Standard charging voltage 标准充电电压	Ternary cell strings *4.2V, Lithium iron phosphate cell strings *3.65V 三元锂电池组串数 X 4.2V 铁锂电池组串数 X 3.65V				

Overcharge protection

过充电保护	Balance voltage 均衡电压				
Detection voltage 检测电压: 三元 4.250±0.05V NCA 铁锂 3.65±0.05V LiFePO4	Turn on voltage NCA 开启电压: 三元≥4.19V 铁锂≥3.4V LiFePO4				
Detection delay 检测延时: 500-1500mS	Release voltage NCA 解除电压: 三元≥4.19V 铁锂≥3.4V LiFePO4				
Release voltage 解除电压: 三元 4.150±0.05V NCA 铁锂 3.550±0.05V LiFePO4	Balance current 均衡电流: 300mA				

Overdischarge voltage protection

过放电压保护	Discharge overcurrent protection 放电过流保护				
Detection voltage 检测电压: 三元 2.750±0.1V NCA 铁锂 2.30±0.1V LiFePO4	Detection current: 3 times the continuous current 检测电流: 持续电流的 3 倍				
Detection delay 检测延时: 500-1500mS	Detection delay 检测延时: 100-400 mS				
Release voltage 解除电压: 三元 3.000±0.1V NCA 铁锂 2.700±0.1V LiFePO4	Release condition: Disconnect load/charge activation 解除条件: 断开负载/充电激活				

Short circuit protection

短路保护	Temperature control and protection 温控保护				
Trigger condition: External short circuit 触发条件: 外部负载短路	Charge discharge over temperature protection 充放电过温保护: 65±5°C				
Detection delay 检测延时: 150-600US	High temperature release temperature for charging and discharging: 充放电高温解除温度: 65±5°C				
Release condition: disconnect load/charge activation 解除条件: 断开负载/充电激活					

Self consumption power

自耗电	working temperature 工作温度				
Release condition: Disconnect load/charge activation 解除条件: 断开负载/充电激活	Temperature range 温度范围: -20°C / +80°C				
Working power consumption 工作耗电: < 30UA					
Sleep and discharge power consumption 睡眠·过放耗电: < 15UA					