

HBMU300-32

电池管理系统从控模块

BMS SLAVE CONTROL MODULE



简介

监控电池的工作状态（电压、温度等），进行检测和上报 BCU，对欠压、过压、欠温、过温等进行报警。适用于独立储能、风光储能以及混合能源等系统，也适用于磷酸铁锂电池组、三元锂电池组、锰酸锂电池组和钛酸锂电池组的测试平台。

特点

- 支持16~32串单体电池电压检测
- 支持34通道温度检测
- 被动均衡，最大均衡电流100mA
- 电压、温度采集线束掉线检测
- 支持DC1500V储能系统
- 1路非隔离CAN接口，用于与BCU模块通信，也可通过CAN接口升级模块固件程序
- 三色状态指示灯

Overview

It can monitor the working status of the battery (voltage, temperature and etc.) to detect and give feedback to BCU, so as to alarm for the under/over voltage, under/over temperature. It is suitable for independent energy storage, wind, PV and energy storage, hybrid energy systems, or testing platform using lithium iron phosphate, ternary lithium, lithium manganese, lithium titanate battery packs.

Features

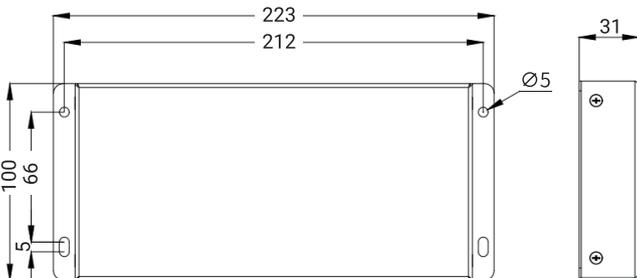
- Support 16-32 strings of single battery voltage detection
- Up to 34-channel temperature detection is supported
- With passive balance function, max. balance current is 100mA
- With voltage, temperature sampling wire disconnect detection function
- Support DC1500V energy storage system
- With 1-channel non-isolated CAN module that can be used for communication with BCU module, also for firmware upgrade
- With three-color status indicator



直流供电 DC Power	DC(8~35)V 直流反接保护 整机功耗: <0.5W	DC(8~35)V reverse connection protection Overall Power Consumption: <0.5W
电压采样 Voltage Sampling	范围: DC(0~5)V 分辨率: 1mV 精度: ±5mV	Range: DC(0~5)V Resolution: 1mV Accuracy: ±5mV
温度采样 Temperature Sampling	范围: (-40~+125)°C 分辨率: 1°C 精度: ±1°C 温度传感器类型: NTC 10K-3950	Range: (-40~+125)°C Resolution: 1°C Accuracy: ±1°C Temp. Sensor Type: NTC 10K-3950
结构 Structure	外形尺寸: 223 × 100 × 31mm 安装尺寸: 212 × 68.5mm	Overall Dimensions: 223 × 100 × 31mm Installation Dimension: 212 × 68.5mm
环境 Environment	工作温度: (-40~+70)°C 工作湿度: (20~93)% RH 贮存温度: (-40~+80)°C 防护等级: IP20	Working Temperature: (-40~+70)°C Working Humidity: (20~93)% RH Storage Temperature: (-40~+80)°C Protection Class: IP20
标准和认证 Standards & Certificates	认证: CE 振动: (5~8)Hz: 位移±7.5mm (8~500)Hz: 加速度±2g IEC 60068-2-6 碰撞: 25g _n , 16ms, 半正弦 IEC 60255-21-2 冲击: 50g _n , 11 ms, 半正弦 IEC 60068-2-27	Certification: CE Vibration: (5~8)Hz: displacement±7.5mm (8~500)Hz: a±2g IEC 60068-2-6 Bump: 25g _n , 16ms, half-sine IEC 60255-21-2 Shock: 50g _n , 11 ms, half-sine IEC 60068-2-27

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

模块电源CAN Power CAN	模块电源CAN ID自动编码 Power CAN ID auto-coding	单体电压/温度(1~16) Cell Voltage/Temp. (1~16)	单体电压/温度(17~32) Cell Voltage/Temp. (17~32)
ID自动编码 ID auto-coding	输入口(1) PWM输出口(1) Input (1) PWM Output (1)	高压负极温度采样 Temperature sampling of high-voltage negative	高压正极温度采样 Temperature sampling of high-voltage positive