

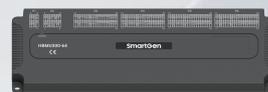
# HBMU200/HBMU300-64

## 电池管理系统从控模块

BMS SLAVE CONTROL MODULE



HBMU200



HBMU300-64

### 简介

监控电池的工作状态（电压、温度等），进行实时检测和通过CAN通讯上报BCU，以便对欠压、过压、欠温、过温等进行报警。本模块适用于以磷酸铁锂、三元锂、钛酸锂等材料作为介质的储能系统或储能电站。

### 特点

- HBMU200支持5~16串、HBMU300-64支持32~64串单体电压检测
- HBMU200支持18个、HBMU300-64支持64个通道的温度检测
- 被动均衡，最大均衡电流100mA
- 电压、温度采集线束掉线检测
- HBMU200支持DC1000V、HBMU300-64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 perform the real-time detection and give feedback to BCU via CAN communication, so as to alarm for the under/over voltage, under/over temperature. It is suitable for energy storage system or power station using lithium iron phosphate, ternary lithium, lithium titanate and other materials as medium.

### Features

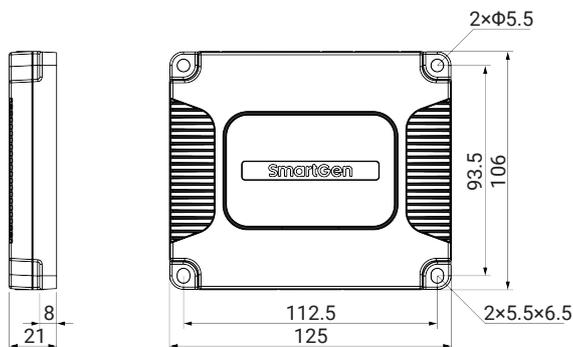
- HBMU200 supports 5~16 strings, HBMU300-64 supports 32~64 strings single voltage detection
- HBMU200 supports 18-channel, HBMU300-64 supports 64-channel temperature detection
- With passive balance function, max. balance current is 100mA
- With voltage, temperature sampling wire disconnect detection function
- HBMU200 supports DC1000V, HBMU300-64 supports DC1500V energy storage system
- With 1-channel non-isolated CAN port for communication with BCU module, also for firmware upgrade
- With three-color status indicator



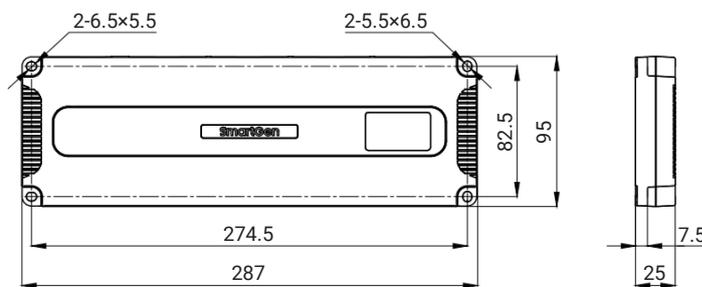
直流供电 DC Power	DC8-35V 直流反接保护 整机功耗: <0.5W	DC8-35V reverse connection protection Overall Power Consumption: <0.5W
电压采样 Voltage Sampling	范围: DC(0-5)V 分辨率: 1mV 精度: ±5mV	Range: DC(0-5)V Resolution: 1mV Accuracy: ±5mV
温度采样 Temperature Sampling	范围: (-40~+125)°C 分辨率: 1°C 精度: ±1°C 温度传感器类型: NTC 10K-3950	Range: (-40~+125)°C Resolution: 1°C Accuracy: ±1°C Temp. Sensor Type: NTC 10K-3950
结构 Structure	外形尺寸: HBMU300-64: 287 × 95 × 25mm HBMU200: 125 × 106 × 21mm 安装尺寸: HBMU300-64: 274.5 × 82.5mm HBMU200: 112.5 × 93.5mm	Overall Dimensions: HBMU300-64: 287 × 95 × 25mm HBMU200: 125 × 106 × 21mm Installation Dimension: HBMU300-64: 274.5 × 82.5mm HBMU200: 112.5 × 93.5mm
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: IEC 60068-2-6 (5~8)Hz: 位移±7.5mm (8~500)Hz: 加速度±2g 碰撞: IEC 60255-21-2 25g <sub>n</sub> , 16ms, 半正弦 冲击: IEC 60068-2-27 50g <sub>n</sub> , 11 ms, 半正弦	Certification: CE Vibration: IEC 60068-2-6 (5~8)Hz: displacement±7.5mm (8~500)Hz: a±2g Bump: IEC 60255-21-2 25g <sub>n</sub> , 16ms, half-sine Shock: IEC 60068-2-27 50g <sub>n</sub> , 11 ms, half-sine

● 尺寸 Dimensions

单位(Unit): mm



HBMU200



HBMU300-64