

## CS48200T HOT NEW

应用领域:

城市基站、偏远地区基站、应  
急通信基站、移动基站、重要  
行业基站、高负荷基站、新建  
基站



### 高低温性能好

环境温度 < 38°C下，  
自然冷却，节省能源



### 智能保护

具有电压、电流、  
温度智能保护功能



### 使用寿命长

25°C环境下以0.5C倍率  
80%放电深度循环  
可达6000次



### 易运维

一体化BMS设计，电池支持自我管理，  
剩余电量、电池健康管理等功能



### 工作模式

内置DCDC自我管理恒压放电  
电源管理恒压放电  
电池特性恒功率放电等模式  
支持新旧电池混用  
与铅酸电池混用并配备多重防盗模式

## BMS介绍

	介绍
通讯接口	RS485/RS232/CAN
信号采样功能	具备每个串联的单体电压、外部母排电压、电池组总电压、 充放电电流、电芯表面温度、BMS单板温度采样
电芯均衡功能	电池具有被动均衡功能，当充电时电芯压差超过一定值时， 可启动均衡功能
充电限流功能	具备在检测到电芯：电压低、电压高、温度低、温度高、 一致性差，充电过流保护时自动进入限流充电
电压采集精度	0~5V，检测精度≤10mV；0~60V检测精度≤0.5%
电流采集精度	检测精度≤1%（0.5C充放电）
防盗功能	可具备软件防盗、通讯防盗、陀螺仪防盗等功能
系统器件失效告警	具备BMS板关键器件失效检测和告警功能，检测到温度传感器失效，电压检测 失效，充放电MOS失效等，产生告警，断开充放电回路（如充放电回路损坏则 不要求断开），电池无法自动恢复，所有指示灯闪烁提示
历史记录存储功能	历史记录存储500条、10000条、全寿命存储可选；存储空间独立；BMS具备掉 电保存能力；历史数据记录包括电池组电压、电流、环境温度、SOC、SOH、 循环次数、累计放电容量等数据

## 模组规格参数

型号	CS48200T
链接方式	1P10S
额定能量	10048Wh
额定容量	32V 314Ah
额定电压	48V
电压范围	42~58V
充电电流	100A
放电电流	200A
工作温度	充电:0~50°C；放电:-20~55°C；存储:-30~45°C
自放电率	≤3% (0~30°C/3 个月)
尺寸 (W*D*H)	440*495*222mm
重量	70Kg
认证	/



深圳昆宇电源科技有限公司

网址:WWW.COSPOWERS.COM

地址:深圳市宝安区燕罗街道罗田社区第三工业区广田路2号

电话:0755-33185898

版权及最终解释权归深圳昆宇电源科技有限公司所有

# SMART LITHIUM BATTERY SERIES-5U

**COSPOWERS**

## CS48200T HOT NEW

Application Fields:  
Urban base stations,  
remote area base  
stations, emergency  
communication base  
stations, mobile base  
stations, critical industry  
base stations, high-load  
base stations, and newly  
constructed base  
stations.



### Excellent high and low temperature performance

Operates with natural cooling at ambient temperatures below 38°C, saving energy.



### Intelligent protection

Equipped with intelligent voltage, current, and temperature protection functions.



### Long service life

Achieves up to 6000 cycles at 0.5C rate and 80% depth of discharge under 25°C ambient temperature.



### Easy maintenance

Integrated BMS design, supports battery self-management, remaining energy, battery health management, and other functions.



### Operating modes

Equipped with multiple discharge modes including DC-DC self-regulated constant voltage, power-managed constant voltage, and battery-adaptive constant power. It enables hybrid use of old/new batteries and lead-acid batteries, and features multi-layer anti-theft protection.

## BMS Introduction

	Introduction
Communication interface	RS485/RS232/CAN
Information sampling function	With each series-connected single cell voltage, external busbar voltage, total battery pack voltage, charging and discharging current, cell surface temperature, BMS single-board temperature sampling function
Battery Cell equalization function	The battery has a passive equalization function, which can be activated when the cell pressure difference exceeds a certain value during charging.
Charging current Limit function	With the function of automatically entering the current-limiting charging mode when detecting the battery cell: low voltage, high voltage, low temperature, high temperature, poor consistency, charging over-current protection
Voltage acquisition accuracy	0~5V, Detection accuracy≤10mV; 0~60V Detection accuracy≤0.5%
Current acquisition accuracy	Detection accuracy≤1% (0.5C charging/discharging)
Anti-theft function	Software anti-theft, communication anti-theft, gyroscope anti-theft and other functions
System component failure alarm	It has failure detection and alarm function for key components of BMS board. While it is detected with temperature sensor failure, voltage detection failures, charge and discharge MOS failure, an alarm will be generated and the charge and discharge loops will be disconnected (if the charge and discharge loop is damaged, it is not required to disconnect), the battery cannot recover automatically, and all the indicators flash to prompt.
History logs	500 historical records, 10000 historical records and life-cycle storage are optional; Independent storage space; BMS has power failure preservation capability; Historical data records include battery voltage, current, ambient temperature, SOC, SOH, cycle times, cumulative discharge capacity and other data

## Module Specification and Parameters

Model	CS48200T
Connection Method	1P10S
Rated Energy	10048Wh
Rated Capacity	32V 314Ah
Rated Voltage	48V
Voltage Range	42~58V
Charging Current	100A
Discharging Current	200A
Operating Temperature	charge:0~50°C; discharge:-20~55°C; Storage:-30~45°C
Self-Discharge Rate	≤3% (0~30°C/3 months)
Dimensions (W*D*H)	440*495*222mm
Weight	70Kg
Certifications	/



Shenzhen Coslight Power Technology Co., Ltd.

W: WWW.COSPOWERS.COM

A: No.2, Guangtian Road, No.3 Industrial Zone, Luotian Community, Yanluo Street, Baoan District, Shenzhen, Guangdong Province, P.R.C

T: +86-755-33185898

Copyright and final interpretation rights belong to Shenzhen Coslight Power Technology Co., Ltd.