

CN4875T/CN48100T

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



高温性能好

环境温度 < 50°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



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



防盗功能

可选配多种防盗功能



工作模式

自我管理恒压放电、
电源管理恒压放电、电池特性放电模式
恒功率放电等，实现不同电池混合使用
根据峰谷电价进行削峰填谷套利

BMS介绍

	介绍
通讯接口	RS485/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	CN4875T	CN48100T
链接方式	1P15S	1P16S
额定能量	3480Wh	4640Wh
额定容量	75Ah	100Ah
额定电压	46.4V	46.4V
电压范围	40~58V(22~58V)	40~58V(22~58V)
充电电流	35A	50A
放电电流	75A	100A
工作温度	充电:-10~50°C；放电:-30~70°C； 存储:-30~45°C	充电:0~50°C；放电:-30~55°C； 存储:-30~45°C
自放电率	≤3% (0~30°C/3 个月)	≤3% (0~30°C/3 个月)
尺寸(W*D*H)	440*430*176mm	440*430*222mm
重量	55Kg	76Kg
寿命	> 2000次 @80%DOD, 0.5C/0.5C	> 2000次 @80%DOD, 0.5C/0.5C
认证	YD2344.1-2023、UN383	



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SMART SODIUM-ION BATTERY SERIES-4U/5U

COSPOWERS

CN4875T/CN48100T

Application Field: Urban Base Station,
Remote Area Base Station, Emergency
Communication Base Station,
Mobile Base Station,
Key Industry Base Station,
High-load Base Station,
Newly-built Base Station



Good performance in high-temperature environments

Natural cooling at ambient temperature <math>< 50^{\circ}\text{C}</math>, saving energy



Intelligent Protection

With voltage, current and temperature intelligent protection functions



Easy for operation and maintenance

Integrated BMS design, battery supports SOC self-management, SOH management and other functions



Anti-theft function

Software anti-theft, communication anti-theft, gyroscope anti-theft and other functions are optional



Operating Mode

Self-management constant voltage discharging, power management of constant voltage discharge, battery characteristic discharging mode and constant power discharge, which realize the mixed use of different batteries and profiting from storing electricity during off-peak hours and discharging during peak hours according to the Peak-valley price.

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 $\leq 10\text{mV}$; 0~60V Detection accuracy $\leq 0.5\%$
Current acquisition accuracy	Detection accuracy $\leq 1\%$ (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	CN4875T	CN48100T
Connection method	1P15S	1P16S
Rated energy	3480Wh	4640Wh
Rated capacity	75Ah	100Ah
Rated voltage	46.4V	46.4V
Voltage range	40~58V(22~58V)	40~58V(22~58V)
Charging current	35A	50A
Discharge current	75A	100A
Operating temperature	charge: -10~50°C; discharge: -30~70°C; Storage: -30~45°C	charge: 0~50°C; discharge: -20~55°C; Storage: -30~45°C
Self-discharging rate	$\leq 3\%$ (0~30°C/3 months)	$\leq 3\%$ (0~30°C/3 months)
Size(W*D*H)	440*430*176mm	440*430*222mm
Weight	55kg	76kg
Life cycles	>2000times @80%DOD, 0.5C/0.5C	>2000times @80%DOD, 0.5C/0.5C
Certification	YD2344.1-2023, UN383	



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