

CF48100T

应用领域:

适用通讯基站应急发发电、也可应用于家庭使用紧急备电（电力不足、停电及台风、地震等自然灾害）、房屋修葺、割草、航拍备电、户外小型音乐派对、自驾旅游、应急救援、施工现场供电等场景。



高性能好

环境温度 < 38°C 下
一般无需空调冷却
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

3500次@0.5C
80%DOD, 35°C



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



多源兼容

支持交流输入、输出、
直流48V输入输出、
光伏输入等功能



远程可视

可接入平台管理、
发电功率显示、
备电时间显示等功能

参数/型号	CF48100T
正极材料	磷酸铁锂
标称电压	-51.2V(1P16S)
额定充电电压	-56.8V
最大充放电电流	100/100A
循环寿命	3500次
标准容量	100Ah
重量	55Kg
尺寸 (W*D*H)	560*510*205mm
自放电率@25°C	< 3% (90天储存)
通信接口	RS485, CAN.
最大并联数量	15
最大并联功率	38.4kW
接线端子	安德森
防护等级	IP54
保护功能	过温、过流保护、短路保护、过充电、过放电保护等
认证	UL,CE,IEC,UN
设计寿命	15年
额定输入电压	220/110Vac
电压范围	90~280Vac
电池逆变输出功率	6200W
输出电压	220/110Vac
MPPT输入电压范围	60~500Vdc
最大PV输入电流	27A
显示	LCD显示屏



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Portable Energy Storage Module

CF48100T

Application Field: Suitable for emergency power backup in communication base stations, and can also be applied to home use for emergency backup (such as insufficient power, power outages, and natural disasters like typhoons and earthquakes), house renovations, lawn mowing, aerial photography backup, small outdoor music parties, self-driving travel, emergency rescue, and on-site power supply for construction projects.



Excellent high and low temperature performance
Typically requires no air conditioning for cooling at ambient temperatures below 38°C, saving energy.



Intelligent protection
Features smart protection functions for voltage, current, and temperature.



Long Service Life
3500 cycles @0.5C, 80% DOD, at 35°C.



Easy Operation and Maintenance
Integrated BMS design with battery self-management capabilities, displaying remaining capacity and battery health.



Multi-Source Compatibility
Supports AC input/output, DC 48V input/output, and PV input functions.



Remote Visibility
Can be connected to a platform for management, displaying power generation and backup power duration.

Parameters/Model	CF48100T
Cathode Material	LFP
Nominal Voltage	-51.2V(1P16S)
Rated charging voltage	-56.8V
Maximum Charge/Discharge Current	100/100A
Cycle Life	3500 cycles
Standard Capacity	100Ah
Weight	55Kg
Dimensions (W*D*H)	560*510*205mm
Self-Discharge Rate @25°C	<3% (after 90 days of storage)
Communication Interface	RS485,CAN.
Maximum Parallel Connection Quantity	15
Maximum Parallel Connection Power	38.4kW
Terminal Type	Anderson
Protection Rating	IP54
Protection Functions	Over-temperature protection, over-current protection, short-circuit protection, over-charge protection, over-discharge protection, etc.
Certifications	UL,CE,IEC,UN
Design Lifespan	15 years
Rated Input Voltage	220/110Vac
Voltage Range	90~280Vac
Battery Inverter Output Power	6200W
Output Voltage	220/110Vac
MPPT Input Voltage Range	60~500Vdc
Maximum PV Input Current	27A
Display	LCD display



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