

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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