

CF4850T / CF48100T

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

3000 cycles @ 0.5C, 80% DOD, at 25°C.



Easy maintenance

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



Anti-theft functionality

Compatible with various optional anti-theft features.

Parameters/Model	CF4850T		CF48100T
Connection Method	1P15S	1P16S	1P15S
Rated Energy	2400Wh	2560Wh	4800Wh
Rated Capacity	50Ah	50Ah	100Ah
Rated Voltage	48V	51.2V	48V
Voltage Range	42~52.5V	43.2~56.8V	42~52.5V
Charging Current	25A	25A	50A
Discharging Current	50A	50A	100A
Operating Temperature	Charging: 0~50°C; Discharging: -20~55°C; Storage: -30~45°C		
Self-Discharge Rate	≤3% (at 0~30°C for 3 months)		
Dimensions (W*D*H)	440*390*88mm		440*530*88mm(19 inch)/ 492*525*88mm(21inch)
Weight	24Kg	25Kg	42Kg(19 inch)/42.5Kg(21 inch)
Communication Interface	RS485/RS232/CAN		
Charging Current Limiting Function	Automatically activates current-limited charging when detecting cell conditions such as low voltage, high voltage, low temperature, high temperature, poor consistency, or overcurrent protection during charging.		
Voltage Measurement Accuracy	0~5V measurement range with accuracy ≤10mV; 0~60V measurement range with accuracy ≤0.5%		
Current Measurement Accuracy	Measurement accuracy ≤1% (at 0.5C charge/discharge)		
Anti-Theft Function	May support software-based anti-theft, communication-based anti-theft, gyroscope-based anti-theft, and other functionalities.		
Certifications	IEC62619、UN38.3、TLC、ROHS		IEC62619、IEC62620、UL1973、 UL9540A、UN38.3



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