

## CF48100T / CF48150T

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	CF48100T		CF48150T
Connection Method	1P15S	1P16S	1P15S
Rated Energy	4800Wh	5120Wh	7200Wh
Rated Capacity	100Ah	100Ah	150Ah
Rated Voltage	48V	51.2V	48V
Voltage Range	42~52.5V	43.2~56.8V	42~52.5V
Charging Current	50A	50A	75A
Discharging Current	100A	100A	150A
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*420*130mm		440*525*130mm
Weight	41Kg	43Kg	56Kg
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、IEC62620、UL1973、UL9540A、UN38.3、ROHS、TLC、EMC		IEC62619、IEC62620、UL1973、UN38.3、ROHS、EMC



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

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