

EMBEDDED SERIES 1 U

CF 4820 T / CF 4850 T



Good performance in high-temperature environments

Natural cooling at ambient temperature < 38° C, saving energy.



Intelligent protection

With voltage, current and temperature intelligent protection functions.



Service life

3000 times @ 0.5 C
80 % DOD 25



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.

Parameters/model	CF 4820 T		CF 4840 T	
	1P15S	1P16S	1P15S	1P16S
Connection method	1P15S	1P16S	1P15S	1P16S
Rated energy	960 Wh	1024 Wh	1920 Wh	2048 Wh
Rated capacity	20 Ah	20 Ah	40 Ah	40 Ah
Rated voltage	48 V	51.2 V	48 V	51.2 V
Voltage range	42 ~ 52.5 V	43.2 ~ 56.8 V	42 ~ 52.5 V	43.2 ~ 56.8 V
Charging current	10 A	10 A	20 A	20 A
Discharg current	20 A	20 A	40 A	40 A
Operating temperature	Charge: 0 ~ 50 °C; discharge: -20 ~ 55 °C; storage: -30 ~ 45 °C			
Self-discharging rate	≤ 3 % (0 ~ 30 °C / 3 months)			
Size	440 x 400 x 44 mm		440 x 320 x 88 mm	
Weight	11.7 kg	12 kg	18 kg	19 kg
Life span	3000 times @ 80 % DOD, 0.5 C / 0.5 C			
Communication interface	RS485 / RS323 / CAN			
Charging current limit function	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 aquisition accuracy	0 ~ 5 V, detection accuracy ≤ 10 mV; 0 ~ 60 V detection accuracy ≤ 0.5 %			
Current aquisition accuracy	Detection accuracy ≤ 1 % (0.5 C charging / discharging)			
Anti-theft function	Software anti-theft, communication anti-theft, gyroscope anti-theft. Other functions are optional.			