

EMBEDDED SERIES 2U

CF4820T / CF4850T / CF48100T



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.

Model	CF4820T		CF4850T		CF48100T
Connection method	1P15S	1P16S	1P15S	1P16S	1P15S
Rated energy	960 Wh	1024 Wh	2400 Wh	2560 Wh	4800 Wh
Rated capacity	20 Ah	20 Ah	50 Ah	50 Ah	100 Ah
Rated voltage	48 V	51.2 V	48 V	51.2 V	48 V
Voltage range	42 ~ 52.5 V	43.2 ~ 56.8 V	42 ~ 52.5 V	43.2 ~ 56.8 V	42 ~ 52.5 V
Charging current	10 A	10 A	25 A	25 A	50 A
Discharge current	20 A	20 A	50 A	50 A	100 A
Operating temperature	Charge: 0 ~ 50 °C; discharge: -20 ~ 55 °C; storage: -30 ~ 45 °C				
Self-charging rate	≤ 3 % (0 ~ 30 °C / 3 months)				
Size	440 x 200 x 88 mm		440 x 390 x 88 mm		440 x 525 x 88 mm (19 inch) 492 x 525 x 88 mm (21 inch)
Weight	12 kg	12.3 kg	24 kg	25 kg	42 kg (19 inch) 42.5 kg (21 inch)
Communication interface	RS485 / RS232 / CAN				
Charging current Limit function	With the function of 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 acquisition accuracy	0 ~ 5 V detection accuracy ≤ 10 mV; 0 ~ 60 V detection accuracy ≤ 0.5 %				
Current acquisition accuracy	Detection accuracy ≤ 1%; 0.5 C charging/discharging				
Anti-theft function	Software anti-theft, communication anti-theft, gyroscope anti-theft and other functions are optional				