

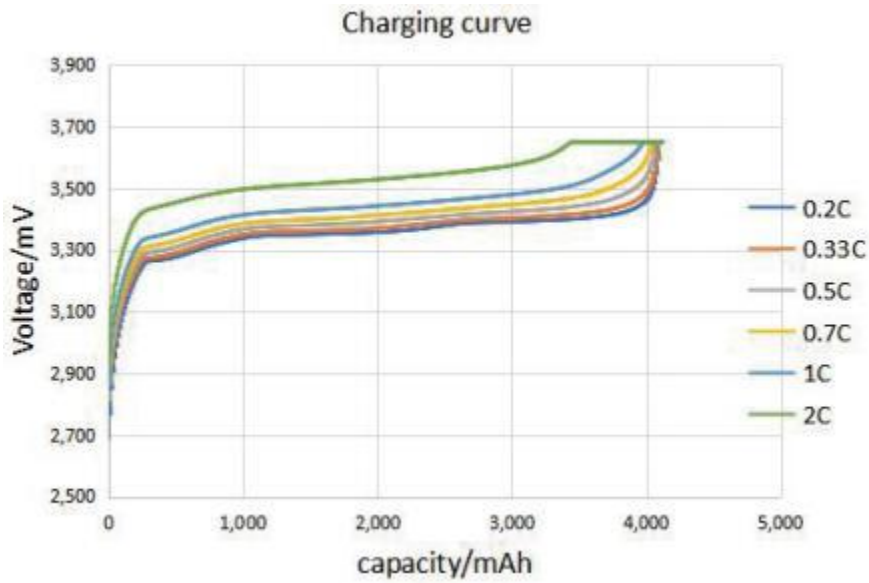
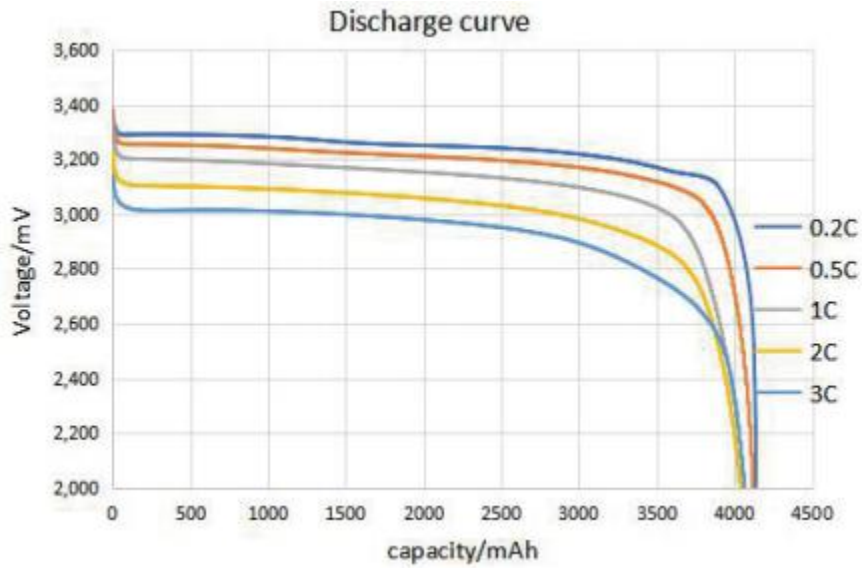
# CFE-640S / 1280S / 2560S





## Advantages of CFE 640S/1280S/2560S

- Volumetric Energy Density increased by 23.5%
- LED power display screen and switch buttons
- Rugged stainless steel body ensures 5 years warranty
- High protection level IP65
- Support 1C charge / discharge and excellent heat dissipation design
- Quick connection and insulation protection
- Stainless steel handles guarantees 3000 fatigue tests
- Supports four external connections in series with voltage up to 51.2V



## Spec

Operating Temperature	Charging: 0°C to 50°C
	Discharging : -20°C to 60°C
Storage Temperature	1 year : -20~25°C
	3 months : -20~45°C
	1 month : -20~60°C
Relative Humidity (R H)	20~60 (No Condensed Water)
Protection	IP65
Safety Certificate	IEC 62040
Transportation	UN38.3

## Spec

Voltage	Charging Voltage Cutoff	14.6V (Single battery: 3.65V)
	Maximal Continuous Charging Current	100A
Current	Maximal Continuous Discharging Current	100A
	Over Charge Detection Voltage	14.6V (Single battery: 3.65V)
	Over Charge Detection Delay time (ms)	1000±500
Overcharge Protection	Over Charge Release Voltage	14V (Single battery: 3.5V)
	Over Discharge Detection Voltage	10V (Single battery: 2.5V)
	Over Discharge Detection delay time (ms)	1000±500
Over Discharge Protection	Over Discharge Release Voltage	11.2V (Single battery: 2.8V)
	Detection Condition	Exterior Short Circuit
	Detection Delay time	300±200us
Short Circuit Protection	Release Condition	Cut Load, Automatically Recover
Temperature Protection	Over Temperature Protection	0°C~65°C

## Main models & Technical spec

Name	CFE-640S	CFE-1280S	CFE-2560S
Model	12.8V50Ah	12.8V100Ah	12.8V200Ah
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity @1C	50Ah	100Ah	200Ah
Charge Voltage	14.6V	14.6V	14.6V
Charge Current	Recommended	25A	50A
	Max Continuous	50A	100A
Discharge Voltage Minimum	10V	10V	10V
Discharge Current Max Continuous	50A	100A	100A
Pulse Current 5 Sec	75A	150A	150A
Weight	6kg±0.5kg	12kg±0.5kg	24kg±0.5kg
Dimensions L*W*H (mm)	180*140*210	320*140*210	320*250*210
Calendar Life & Warranty <sup>[1]</sup>	3500 cycles or 5 years , whichever comes first		

[1] Test conditions: 0.2C Charging/Discharging, @25°C, 80% DOD

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energy storage system

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