

CFE 100AH 12.8V Lithium-ion Battery



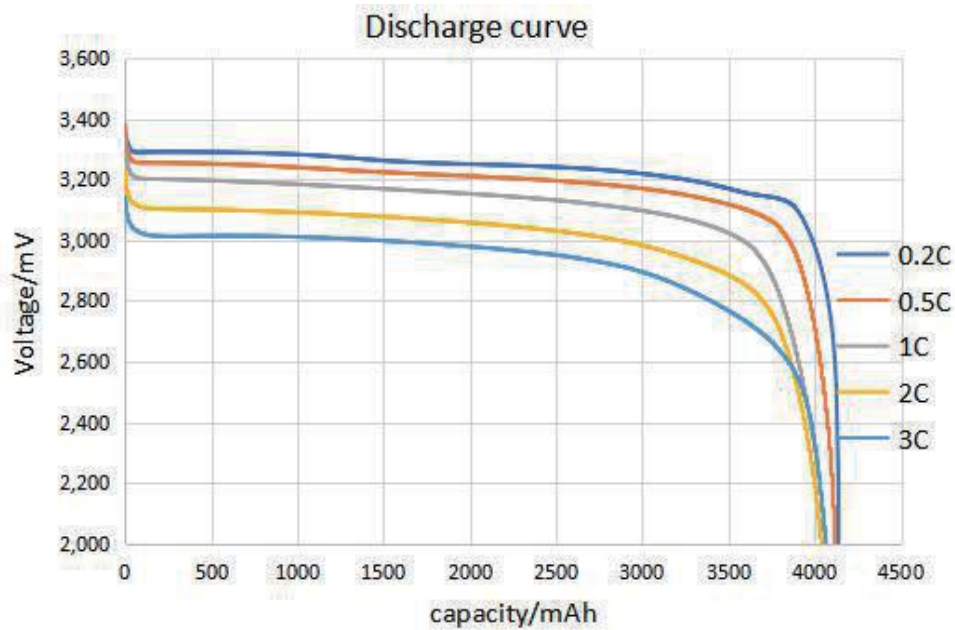
CFE-1280S

- 1. The appearance size is greatly reduced
- 2. Added LED power display
- 3. Added switch button
- 4. The five-year warranty cannot be achieved for the plastic housing, we replaced it with 304 stainless steel
- 5. The entire product achieves IP67
- 6. The heat dissipation capacity of the product is greatly improved, and the whole battery supports 1C charge and discharge
- 7. For external terminals, we have made a quick connect configuration, which is convenient to use and insulated at the same time
- 8. Stainless steel handles on both sides, 3000 vibrations in three directions will not be a problem
- 9. The battery supports up to 4 external connections in series, up to 51.2Vgassing

Main models & Technical spec

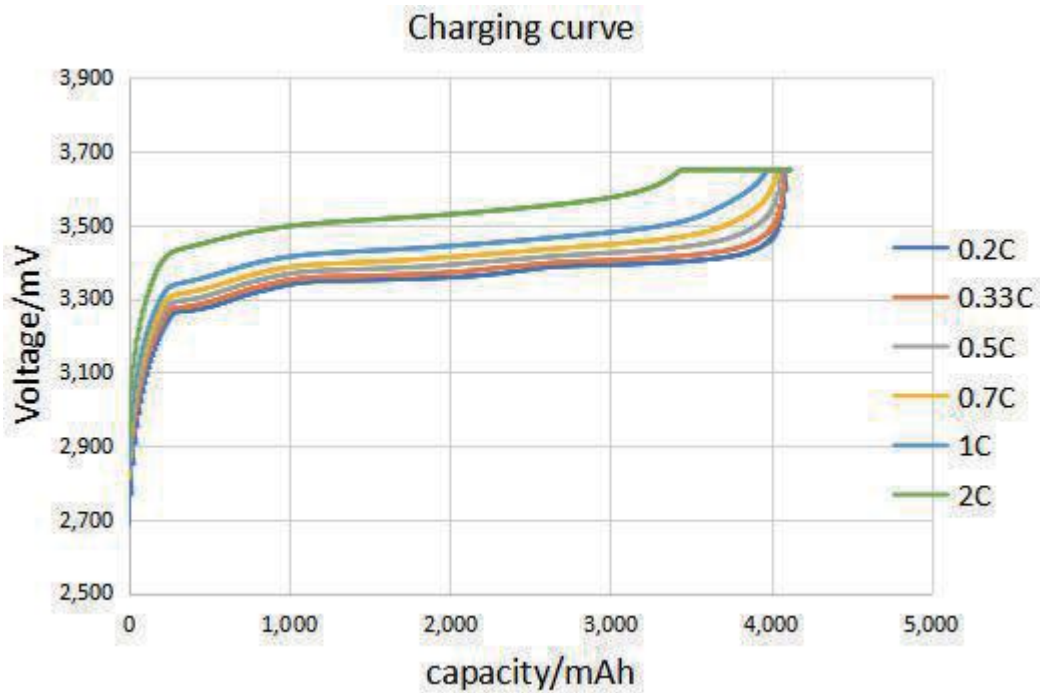
Index		Spec
Model		12V100Ah
Nominal Voltage		12.8V
Nominal Capacity @1C		100Ah
Charge Voltage		14.6V
Charge Current	Recommended	50A
	Max Continuous	100A
Discharge Voltage Minimum		10V
Discharge Current Max Continuous		100A
Pulse Current 5 Sec		150A
Weight		12kg±0.5kg
Dimensions L*W*H (mm)		320*140*210

Battery Management System



Main models & Technical spec

Index	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	IP56
Safety Certificate	CE
Transportation	UN38.3



Battery Management System

Index	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)
Overcharge Protection	Over Charge Detection Delay time(mS)	1000±500
	Over Charge Release Voltage	14V (Single battery:3.5V)
	Over Discharge Detection Voltage	10V (Single battery:2.5V)
Over Discharge Protection	Over Discharge Detection delay time(mS)	1000±500
	Over Discharge Release Voltage	11.2V (Single battery:2.8V)
	Detection Condition	Exterior Short Circuit
Short Circuit Protection	Detection Delay time	300±200uS
	Release Condition	Cut Load,Automatically Recover
Temperature Protection	Over Temperature Protection	65°C