

LFP Drop-in Replacements

CFE-1280 SE / 2560 SE / 2560 PSE



Efficient and Flexible

- Support external connections in series with voltage up to 51.2 V.
- Support external connections in parallel.



Excellent Quality

- Lightweight design with a durable enclosure.
- Fast charge performance.
- ABS container, replace VRLA battery perfectly.



Safe and Secure

- High durability, easy to carry, the cycle life over 3000 times.
- Over voltage, low voltage, over current, over temperature, low temperature and short circuit protection.



Efficient Management

- Integrated hardware BMS inside.
- Independent protection for charge and discharge.
- Quick connection and insulation protection.

Model	CFE-1280 SE	CFE-2560 SE	CFE-2560 PSE
Nominal Voltage	12.8 V	25.6 V	12.8 V
Nominal Capacity @1C	100 Ah	100 Ah	200 Ah
Charge Voltage	14.2 V	28.4 V	14.2 V
Charge Current Max Continuous	50 A	50 A	100 A
Discharge Current Max Continuous	100 A	100 A	200 A
Discharge Cut-off Voltage	11.4 V	22.8 V	11.4 V
Pulse Current 5 Sec	125 A	125 A	250 A
Weight	10.5 kg	18.5 kg	18.5 kg
Dimensions (W × D × H)	333 × 176 × 221 mm	386 × 206 × 273 mm	386 × 206 × 273 mm
IP Rating	IP65		
Cycle Life / Warranty	3000 cycles or 3 years, whichever comes first		
Charge Operating Temperature	-10 to 70 °C		
Discharge Operating Temperature	-20 to 70 °C		
Storage Temperature	-10 to 35 °C		
Relative Humidity (RH)	0 – 95% RH (non-condensing)		
Transport	UN38.3 (tested); UN3480 as applicable		
Certificates	CE (model-dependent)		

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

CFE ESS Co., Ltd.

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