

# Residential ESS

## Lithium-ion Battery CFE-5100



### Efficient and flexible

Simple buckle fixing minimize the installation time and cost.  
Flexible increase voltage capacity without any other equipments or settings.



### Excellent quality

80% of initial capacity after 6000.  
Integrated WiFi Modem OTA online upgrade convenient after-sales service.



### Safe and secure

LFP(Lithium ion Phosphate) the highest safety.  
Up to 8 Series or Parallel.



### Efficient management

Accurate sampling of voltage and current .  
SOC mathematic more accurate and never jump.

Model	CFE-5100
Total Energy	5.1 kWh
Usable Energy(DC)	4.6 kWh
Max. Discharge Power	3.0 KW
Rated Capacity	100 Ah
Voltage	48~56 Vd.c
Nominal Voltage	51.2 Vd.c
Operating Condition	Indoor
Charge Operating Temperature	0~45°C
Discharge Operating Temperature	-10~55°C
Dimensions (W*D*H)	442*500*133 mm
Weight	42±0.5 kg
IP Rating	IP 20
Protective Class	I
Parallel or Series Support	8 Parallel or Series
Relative Humidity (RH)	0~95% (No condensed water)
Cooling Type	Ambient cooling
Case Material	Metal
Color	Black
Installation	Cabinet, Wall Mounting, Ground Installation
Warranty	10 Years
Communication	CAN/RS485
Protection Mode	Triple Hardware Protection
Battery Protection	Over-Current/ Over-Voltage/ Short Circuit/ Under-Voltage/ Over Temperature
Authentication Level	CE & TUV(IEC 62619,IEC 62040) UL1973 UKCA UN3480

CF Energy Co., Ltd.

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