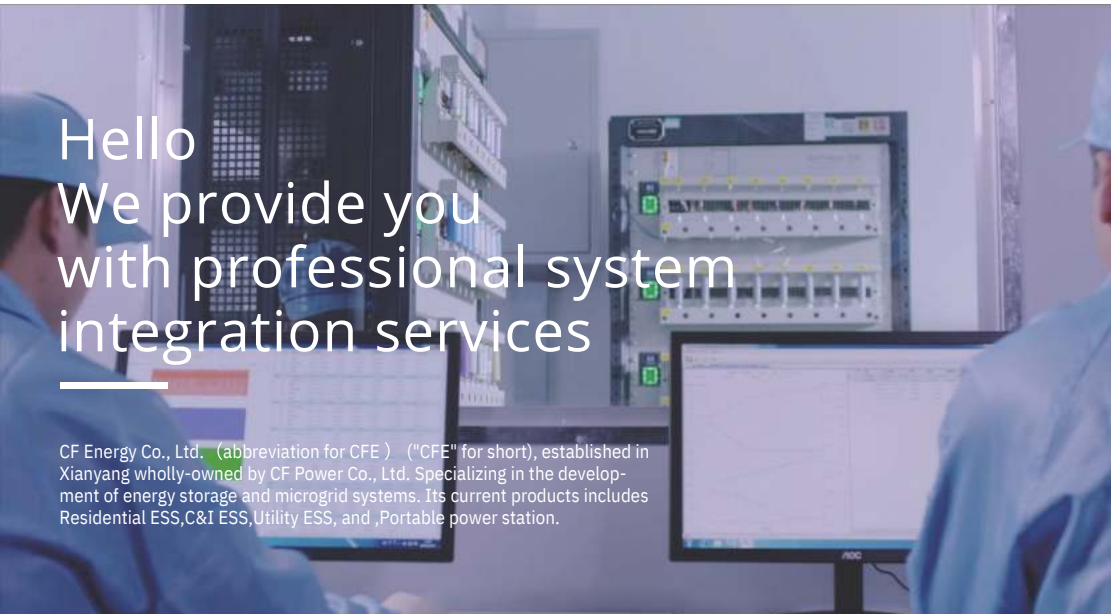


# CFE Residential ESS

**First-class power battery system supplier**  
**First-class supplier of energy storage and microgrid**

Solar Panel Energy (Pty) Ltd  
 204 Louis Trichardt Blvd, Vanderbijlpark  
 084 442 4235 / 074 305 2967  
[www.sp-energy.co.za](http://www.sp-energy.co.za)



Hello  
 We provide you  
 with professional system  
 integration services

CF Energy Co., Ltd. (abbreviation for CFE) ("CFE" for short), established in Xianyang wholly-owned by CF Power Co., Ltd. Specializing in the development of energy storage and microgrid systems. Its current products includes Residential ESS, C&I ESS, Utility ESS, and Portable power station.

## About CFE

CFE is committed to the R&D and production of Residential ESS, actively respond to customer needs, and provide customers with professional, skill leading system integration and service solutions through technological innovation and industry chain resource integration. CFE Residential ESS can be combined with photovoltaic and other power generation systems to improve power supply quality and provide power supply guarantee for users all day; through valley time charging and peak time discharge, it can reduce household power consumption expenses of users, and at the same time, it can obtain economic benefits by selling power to the grid.



### Top 5 battery pack manufacturer in China

12 GWh manufacture capacity  
 3+ GWh deployed to market  
 200+ R&D engineers and scientists  
 6% of revenue devoted to R&D



### Proven track record to supply to mobility industry

15% market share for power pack for e-bike  
 Major player for power pack for e-bus  
 Zero safety incident for deployed packs

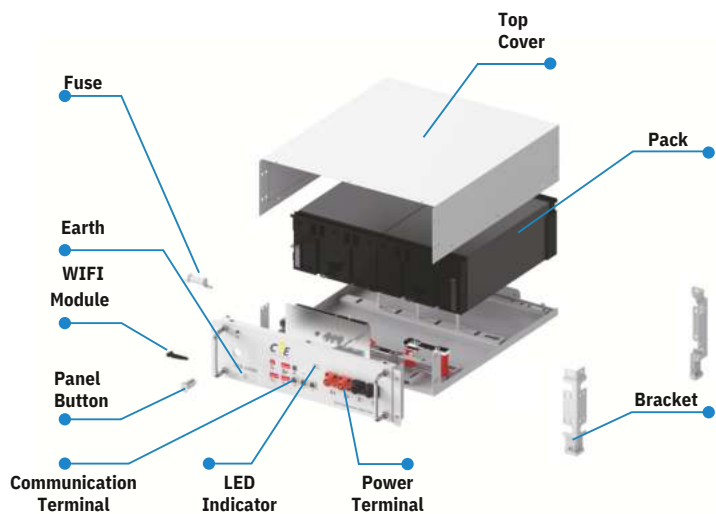


### Quality Certifications

IATF16949, ISO14001/9001, OHSAS18001



# CFE-5100S



SW1	DIP switch select for CAN or RS485
SW2	Resistance for communication and DIP switch for parallel connection
SW3	Switch for battery's Address select
SW4 & SW5	Communication interface for battery or master battery with Inverter
Reset	Reset the WIFI or GPPS/GPS module configure



## Main models & Technical spec

Model	CFE-5100S
Nominal Battery Energy	5.1kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Range of Voltage	44.8V~58.4V
Recommend C Rate	1C
Continuous Max C Rate	1C
Net Weight	51Kg
Dimension [W*D*H]	442*500*133mm
Charging Temp. Range	0 ~ 50°C
Discharging Temp. Range	-10 ~ 55°C
Calendar Life[1]	6000 Cycles
Protection Level	IP20
Communication	CAN / RS485
Certification & Safety Standard	CB (UL1973,IEC62040,IEC62619)
Warranty	10 Years
Scalability	Can be connected in parallel (≤8)

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

