

Residential ESS

CFE-WL-5 / 10 / 16



Leading Technology

- Advanced Smart BMS.
- Supports multiple inverter communications.
- Modular expansion, supports up to 8 units in parallel.



Comprehensive Smart System

- Intelligent human interactive screen.
- Full-service monitoring and control.
- Integrated Wi-Fi Modem OTA online upgrade offers convenient after-sales service.



Ultra Safety and Reliability

- LFP (lithium iron phosphate, LiFePO₄) for the highest safety.
- 14 security protection strategies.
- Easy to set up and operate.



High Quality and Competitive Pricing

- Cost-effective options.
- Better-integrated minimalist design.
- Only 13 cm deep when wall-mounted.

Model	CFE-WL-5	CFE-WL-10	CFE-WL-16
Total Energy	5.12 kWh	10.24 kWh	16.08 kWh
Capacity	100 Ah	200 Ah	314 Ah
Usable Energy	4.6 kWh	9.2 kWh	14.47 kWh
Size (W × D × H)	420 × 135 × 630 mm	510 × 135 × 843 mm	564 × 157 × 954 mm
Weight	46.5 kg	83.5 kg	126 kg
Max. Discharge Power	5 kW	10 kW	10 kW
Battery Type	LFP (LiFePO4)		
Nominal Voltage	51.2 V		
Voltage Range	48 – 56 V		
IP Level	IP20		
Communication Method	CAN / RS485		
Protection Mode	Multiple Protection		
Battery Protection	Over-Current / Over-Voltage / Short Circuit / Under-Voltage / Over-Temperature		
Parallel Support (Maximum)	Up to 8 in parallel		
Protective Class	I		
Charge Operating Temperature	-10 to 70 °C		
Discharge Operating Temperature	-20 to 70 °C		
Humidity	0–95% RH (non-condensing)		
Altitude	≤2000 m		
Installation Method	Wall – Mounting		Floor – Standing
Cooling Type	Ambient cooling		
Warranty & Cycle Life	5-year warranty; ≥ 6,000 cycles @ 80% DoD, 25 °C (0.2C)		
Display	SoC status indicator (LED)		
Transport	UN38.3 (tested); UN3480 as applicable		
Certificates	CE / CB		
Inverter Protocols Supported	Luxpower / Solis / Sofar / Megarevo / Deye / SRNE / Sol-Ark / Sunsynk Growatt / Afore / Victron / Voltronic / MUST / GOSPOWER / Techfine, etc.		

CFE ESS Co., Ltd.

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