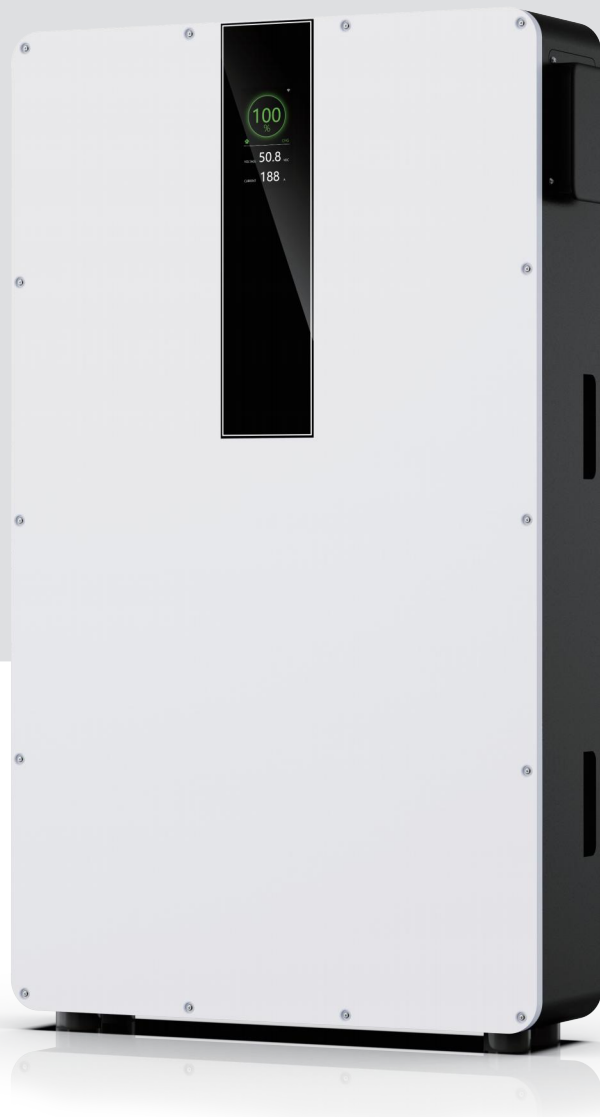


Residential ESS

CFE-LUXAR 16



Outdoor-Grade Protection

- IP65 + C5 Anti-Corrosion design, dustproof, waterproof, and salt-spray resistant for all-weather reliability in coastal and industrial environments.



AI-Enhanced Performance & Safety

- Smart BMS with federated learning for efficient cell balancing, plus proprietary AI-driven active safety with independent aerosol fire suppression.



Long Lifespan & Solid Warranty

- 8,000-cycle design life, backed by a 10-year warranty for maximum long-term value.



Ultra-Slim & Space-Saving

- Only 157 mm thick, wall-mount design for seamless integration and minimal footprint.



Intuitive User Experience

- HD LCD interface for real-time status monitoring, energy data display, and system alerts.



Scalable & Compatible

- Supports up to 8 units in parallel, compatible with major inverter brands and communication protocols.

Model	CFE-LUXAR 16
Capacity	16.07kWh
Usable Energy	14.46kWh
Size	564*157*954mm
Weight	126kg
Battery Voltage	51.2V
Voltage Range	48-56V
Max. Discharge Power	10kW
Communication Interfaces	CAN/RS485
Parallel Support (Maximum)	Up to 8 Units in Parallel
Protection Mode	Comprehensive Safety Protections
Battery Type	LiFePO4
Capacity	314Ah
IP Level	IP65 + C5 Anti-Corrosion (ISO 12944)
Battery Protection	Over-Current/ Over-Voltage/ Short Circuit/ Under-Voltage/ Over-Temperature
Protective Class	I
Charging Temperature Range	0 ~ 65°C
Discharging Temperature Range	-10 ~ 65°C
Humidity	0-95% RH (non-condensing)
Altitude	≤2000m
Installation Method	Floor Standing
Cooling Type	Natural Convection
Warranty & Cycle Life	10 years or 8000 Cycle (@25±2°C, 0.5C/0.5C,80%DOD)
Display	SOC status indicator, Color LED
Safety Certificate	UN38.3 / CE / CB
Inverter Protocols Supported	Pylontech/ Growatt/ SRNE/ Deye/ megarevo/ Techfine/ Goodwe/ CVTE / Luxpower/Must (low voltage)

CF Energy Co., Ltd.

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