Residential ESS

CFE-WL15VE

energy storage system



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, $LiFePO_4$) 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 16 cm deep when wall-mounted.

Model	CFE-WL15VE
Total Energy	16.08 kWh
Capacity	314 Ah
Usable Energy	14.47 kWh
Size (W × D × H)	564 × 157 × 954 mm
Weight	126 kg
Max. Discharge Power	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 ℃
Discharge Operating Temperature	-20 to 70 ℃
Humidity	0–95% RH (non-condensing)
Altitude	≤2000 m
Installation Method	Floor – Standing
Cooling Type	Ambient cooling
Warranty & Cycle Life	5-year warranty; ≥ 6,000 cycles (@25 ± 2 °C, 0.5C / 0.5C, 80% DoD)
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.

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