

# Residential ESS

## CFE-17H



### Efficient and Flexible

- Simple buckle fixing minimizes the installation time and cost.
- Flexibility increases voltage capacity without any other equipment or settings.



### Excellent Quality

- 80% of initial capacity after 6000 cycles.
- Multiple security protection strategies.



### Safe and Secure

- LFP (lithium iron phosphate,  $\text{LiFePO}_4$ ) offers the highest safety.
- Supports up to 10 in series or parallel connections.



### Efficient Management

- Accurate sampling of voltage and current.
- SoC estimation remains accurate and consistent under typical use.

Model	CFE-17H
Total Energy	16.89 kWh
Max. Discharge Power	12 kW
Rated Capacity	330 Ah
Voltage Range	48 – 56 Vdc
Nominal Voltage	51.2 Vdc
Operating Condition	Indoor
Charge Operating Temperature	-10 to 70 °C
Discharge Operating Temperature	-20 to 70 °C
Dimensions (W × D × H)	450 × 234 × 674 mm
IP Rating	IP20
Protective Class	I
Parallel or Series Support (Maximum)	Up to 10 units in parallel or series
Relative Humidity (RH)	0 – 95% RH (non-condensing)
Cooling Type	Ambient cooling
Case Material	Metal
Installation	Floor Standing & Stack
Warranty	5-year warranty; ≥ 6,000 cycles (@25 ± 2 °C, 0.5C / 0.5C, 80% DoD)
Communication	CAN / RS485
Protection Mode	Triple Hardware Protection
Fire Suppression	Integrated condensed aerosol
Battery Protection	Over-Current / Over-Voltage / Short Circuit / Under-Voltage / Over-Temperature
Transport	UN38.3 (tested) ; UN3480 as applicable

CFE ESS Co., Ltd.

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