

LFP Li-ion Battery System



EFFICIENT & HIGH YIELD

- 20-year service life, 8000+ system-level cycle life
- Support 1500V system, AC side loss is significantly reduced
- Can adjust the depth of charge and discharge, support deep charge and discharge

INTELLIGENT & FRIENDLY

- 45' container can hold 5.2MWh, backward compatible
- Scenario-based online estimation of SOC and SOH
- Support cloud platform, real-time remote monitoring and fault identification

SAFE & RELIABLE

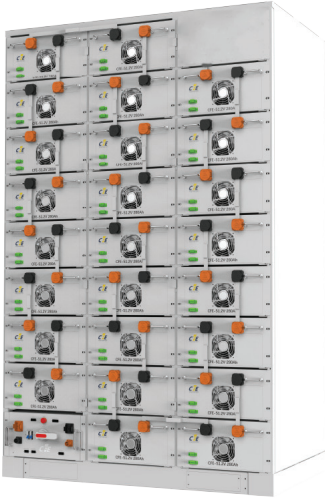
- Two-level short-circuit protection, three-level BMS control
- Anti-fool, anti-reverse connection design, installation and maintenance are safer
- Unique air duct and intelligent air cooling design, perfect heat management design
- Meet global high standard & certification requirements

PACK Parameter



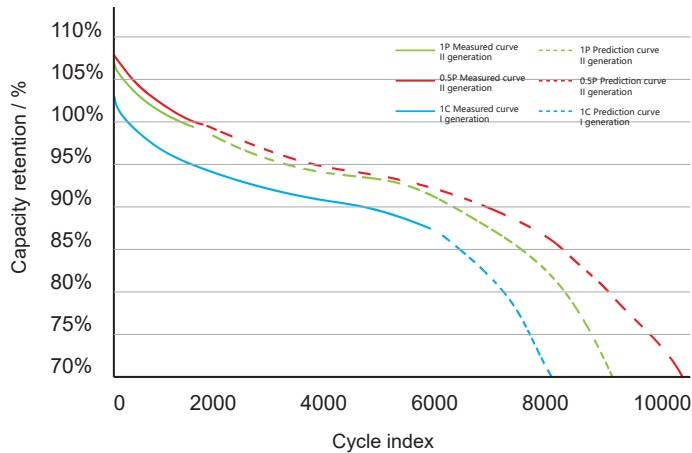
Series-parallel	1P16S
Capacity	280Ah
Nominal voltage	51.2V
Charge cut-off Voltage	58.4V
Discharge cut-off voltage	44.8V
Standard charge	140A
Standard discharge	140A
Weight	110kg
Dimension	426*750*236 (mm)
Energy	14.33kWh

RACK Parameter



Series-parallel	1P400S
Capacity	280Ah
Nominal Voltage	1280V
charge Cut-off Voltage	1460V
Discharge Cut-off Voltage	1120V
Standard charge	0.5C
Standard discharge	0.5C
Weight	3300kg
Dimension	1497*896*2355 (mm)
Cooling mode	Air cooling
Energy	358.4kWh

Battery performance chart



CFE 215 Rack cycle life @ 25°C

Test Condition:

25°C, 2.5-3.65V(100%DOD),0.5P/0.5P or 1P/1P or 1C/1C,Cycles,

Conclusion:

According to the prediction and analysis, when the reversible capacity retention efficiency of the cell is 70%, 0.5P/0.5P cycle life ≥ 10,000 times, 1P/1P cycle life ≥ 10,000 times.

- Standard charge rate: 1C
- Standard discharge rate: 1C
- Performance Warranty: 10 Years. @25~28°C
- Product Warranty: 3 years, 80% Usable Capacity after 120 months
- Effective capacity: Up to 100% DOD by user's setting, suggested at 90%
- Battery Capacity: ≥80% after 6000 cycle life