

C&I ESS

CFE-125K-2h



Application Scenarios

Platform Capacity increase / Industrial & Commercial Companies / Data Center
Campus Storage / Commercial Buildings Large Industrial / Movable Storage



Efficient and Flexible

- LiFePO4 battery storage system, two-layer battery management system, fully digital LCD display, Support multi-machine parallel expandable modules.



Always-On Power

- Standard STS (Static Transfer Switch), equipped with on/off grid switching function, UPS-level zero-break power for critical loads.



Safe and Secure

- IP54 protection degree outdoor cube, consists of accessories, including liquid-cooled units equipment, lighting, power distribution, fire control, etc.



Efficient Management

- Energy management system includes cloud system & local management machine, PCS data collection and other related devices.

Model	CFE-125K-2h
Battery Parameter	
Battery Type	LFP(3.2V 314Ah)
Battery System Configuration	1P260S
Battery System Capacity	261.24kWh
Battery Voltage Range	728-949V
Battery Cycle Life	6000 Cycles at 0.5C, 80%DOD at 25 °C
AC On-Grid	
The Rated Output	125kW
Overload Capacity	1.1 times long-term, 1.2 times 1min
Rated Voltage	AC 400V
Rated Output Current	180A
AC Access Mode	Three-phase four-wire
Isolation Method	Non-isolated
Grid Voltage Range	380V(-20%~+15%)
Grid Frequency Range	50Hz/60Hz±2.5Hz
Total Harmonic Distortion	≤3% (Full Load)
Power Factor	-0.99~+0.99
DC Component	≤0.5%
Charge/Discharge Conversion Time	<100ms
AC Off-Grid Parameters	
AC Off-grid Voltage	AC400V
AC Voltage Range	AC400V±3%
AC Off-grid Frequency	50Hz/60Hz
Off-grid Output THDU	≤3% (linear load)
Unbalanced Load Capacity	100%
System Parameter	
System Efficiency	>88%
Size (W*D*H)	1400*1350*2450mm
Weight	2.8T
Ambient Temperature	-20°C~55°C
Environment Humidity	0-95%RH (No condensed water)
Work Altitude	<3000m
Protection Level	IP54
Corrosion Protection Level	C4
Cooling Method	Liquid cooling
Fire Fighting System	Aerosol

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