



Lenercom ESS-3k



UN38.3



Rated Power: 3kW

Battery Capacity: 5.12–20.48kWh



Flexible Expansion

Modular Stackable Design
Capacity Expansion Configuration



Easy Installation

Solar and ESS Integration
Toolless Installation



Intelligent Control

APP Remote Monitoring
Fault Automatic Repair

Technical Parameters



LC-E2-305



LC-E2-310



LC-E2-315



LC-E2-320

Performance Specifications

Phase	Single Phase
Rated Output Power	3000W
Single Battery Capacity	5.12kWh
No. of Expandable Batteries	1~4
Usable Capacity Range	5.12~20.48kWh
Battery Type	LiFePO ₄
Rated Output Voltage	(220V~240V) ±5%
Grid Voltage Range	170-280V(UPS)
	90-280V(APL)
	183-253V(VDE)
PV Max Input Power	4000W
MPPT Voltage Range	64~130V
System Charge & Discharge Efficiency	93%
Grounding Mode	TN
Switching Time	10ms(UPS、VDE)
	20ms(APL)
Cycle Life*	≈10000 Times
Designed Lifespan	10Years
Warranty*	5 years Product Warranty
	10 years Performance Warranty

*Please observe our applicable warranty conditions.

* Under specific test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C.

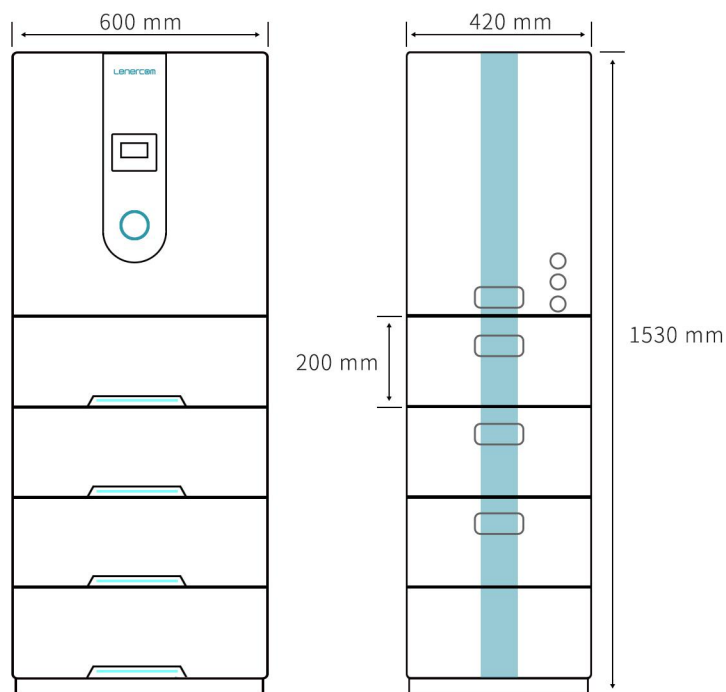
Compatible Parameter

Certifications	CE/TUV
Safety Regulations	IEC 62109-1&-2,
	IEC 62477,
	EN 61000, UN38.3
Grid Regulations	/

Mechanical Specifications*

Inverter Dimensions/Weight	600/420/600mm/31.9kg
Battery Dimensions	600/420/200mm/54kg
Base Dimensions	600/420/130mm/17.5kg
Mounting Options	Stacking

* The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-320.

Environmental Specifications

Operating Temperature*	-15°C~55°C
Recommend Temperature	25°C
Altitude	2000M
Humidity	5~95%Without Condensation
Ingress Rating	IP54

* When the temperature is below 0°C or above 40°C, the performance will be limited.

Lenercom

Lenercom ESS-3K

Hunan Lenercom Technology Co., Ltd.

+86 0731-88051567 +86 181 0841 3339 <https://www.lenercom.com>

Floor 12, building B1, Lugu science and technology innovation and entrepreneurship Park, Changsha City, Hunan Province



WATCH THE VIDEO