



Lenercom ESS-5k



UN38.3



Rated Power: 5kW

Battery Capacity: 10.24—25.6kWh



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-E2-510



LC-E2-515



LC-E2-520



LC-E2-525

Performance Specifications

Phase	Single Phase
Rated Output Power	5000W
Single Battery Capacity	5.12kwh
Max No. of Expandable Batteries	5
Usable Capacity Range	10.24-25.6kWh
Battery Type	LiFePO ₄
Rated Output Voltage	(220V~240V) $\pm 5\%$
Grid Voltage Range	170-280V(UPS)
	90-280V(APL)
	183-253V(VDE)
Rated Grid Frequency	50HZ/60HZ
	Auto Detect
Peak Current,Duration	39.1A, 0.65S
Instantaneous Power	10000W
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.

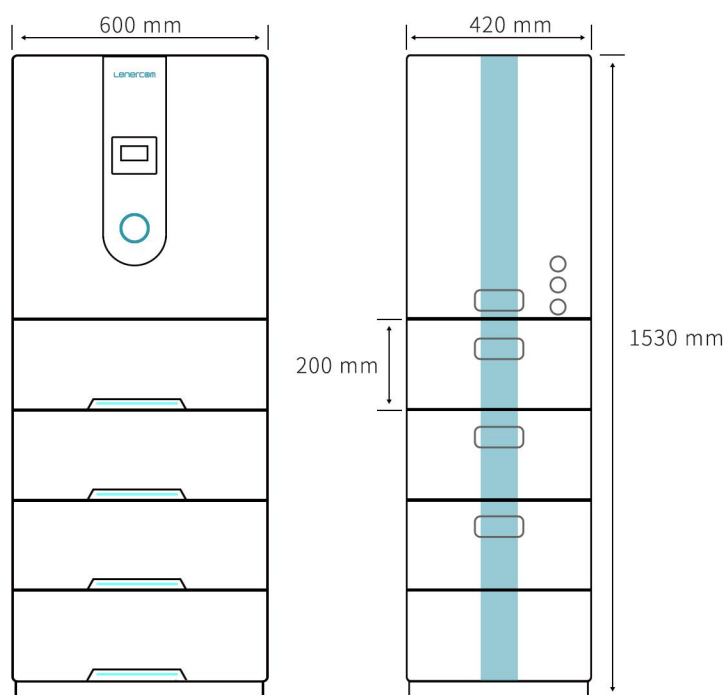
Compatible Parameter

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

Mechanical Specifications*

Inverter Dimensions	600mm/420mm/600mm
Battery Dimensions	600mm/420mm/200mm
Base Dimensions	600mm/420mm/130mm
Mounting Options	Stacking

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



*The dimension of the above picture corresponds to the product model: LC-E2-520.

Enviromental 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

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