



Lenercom ESS LC-B1

Power range 30/60 kW

Battery capacity range 60/120 kWh

Lenercom ESS LC-B1 adopts modular integrated design, and the system includes monitoring, PCS module, lithium iron phosphate battery, BMS, heat sink and fire extinguishing system. It can provide backup power or emergency power for important loads in off-grid mode. The working mode can also be adjusted to stabilize load fluctuations, load peak clipping, and peak-valley arbitrage.



Intelligent operation,
the whole process
does not require
manual intervention



Flexible configuration
free combination
of power and energy



Dynamic expansion
of capacity, free choice of
AC-side parallel or
DC-side parallel



Fast switching between
parallel and off-grid,
the switching time
is less than 10ms

Technical Parameters



LC-B1-3060



LC-B1-60120

System Parameter

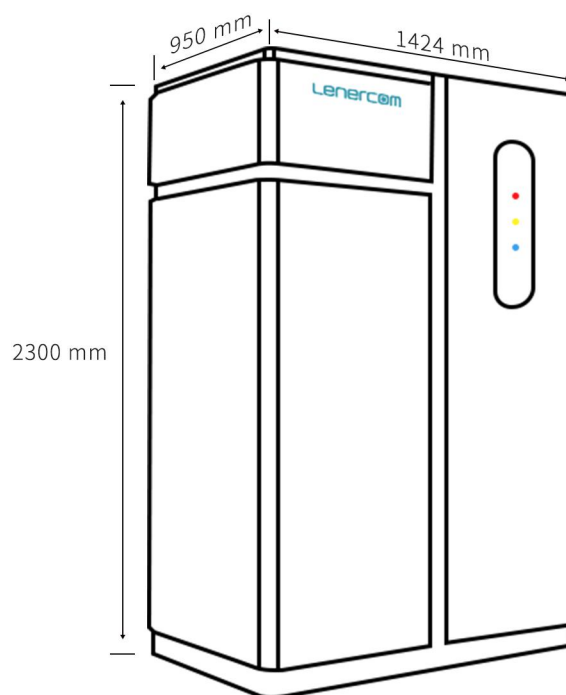
Rated Output Power	30/60kW
Rated Battery Capacity	120kWh
Battery Type	LFP
Cell Rated Capacity	172Ah
Grid Voltage Range	$380 \pm 15\%$
Grid Frequency Range	49.5~50.2Hz
Maximum System Efficiency	>86.2%
Power Factor	± 0.99
Overload Capacity	110% 10min 120% 1min
Conversion Time	<10ms
Power Command Response Time	<2ms
AC Voltage	<2%
Alternating Current	<5%
Voltage Unbalance Degree	<2%
Output Phase Deviation	<3°
Off-grid AC Output Voltage	$380 \pm 2\% V$
Off-grid AC Output Frequency	$50 \pm 0.1\%$

Output Parameter

Output Port (copper bar)	30/60kW
PV MPPT Output Port (copper bar)	30kW

Basic Parameter

Model	LC-B1-30/60-120
Weight	850kg
Size(width/depth/height)	1424/950/2300mm



Other Parameters

Operation Screen	No
Remote Data Monitoring	Yes

Lenercom

Lenercom ESS-B1

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