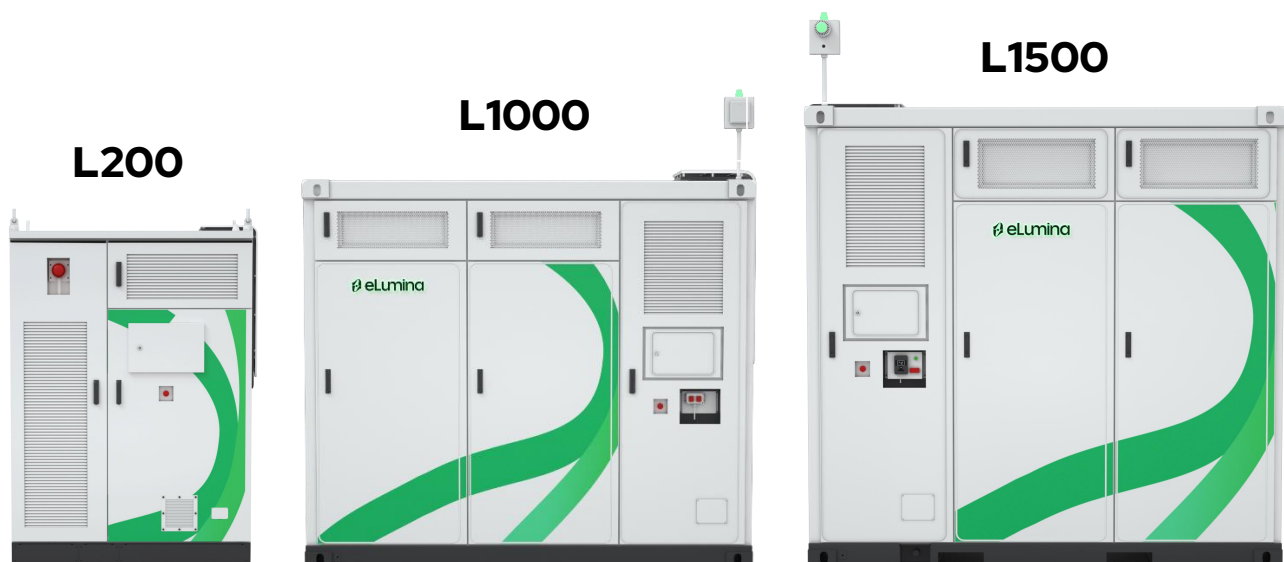


L200\L1000\L1500:

The Energy Storage Systems

The L-series products are commercial and industrial energy storage systems, built with LFP chemistry that provides highest level of safety, thermal stability and reliability. The products integrates AC/DC inverter, liquid cooling, multi-level and manual backup power switch for grid outages, providing customer with optimized and well-balanced power storage functions.



Product Highlights:

- 233 kWh to 1491 kWh outdoor-rated cabinet storage system
- Backup power for grid outages
- Solar integration, storing excess solar power
- Preinstalled liquid cooled eLumina Power Battery modules
- Smart energy monitoring cloud platform for remote control
- Modular, scalable design for precise project sizing

BATTERY

Nominal Capacity	233 kWh
Usable Capacity (90% DoD)	209kWh
Battery Technology	LiFePO4
Charge/Discharge Rate	0.5 P
Battery Pack Structure	1P52S
Cooling	Liquid Cooling
BMS	Integrated
Rated DC Voltage	832 Vdc
Battery Life Cycle	≥6000 times @ 25°C ± 2°C 0.5 P charge/discharge energy retention 80% SOH

INVERTER

Operating Voltage range	650-950 Vdc
Max DC Current	150A
Max AC Power	110KW
Rated AC Power	100KW
Max AC Current	145A
AC line Voltage	400 Vac ± 15°C
AC line frequency	50 Hz

CONVERTER

Max Number of MPPTs	2
Max String Voltage	1000 Vdc
String Operating Voltage	200-950 Vdc
Max Current	80A

DIMENSIONS

Dimensions (L*W*H)	1600*1300 *2200mm
Weight	Max 3300kg

SAFETY/STANDARDS

Protection	IP54
Safety Features	Flammable/Explosive Gas Detection, Flammable/Explosive Gas Exhaust, Smoke Detection, Temperature Detection, Aerosol Fire Extinguish, Siren And Strobe Alarm, Emergency Stop Button, Dry Pipe And Sprinkle
Certification	IEC 62619/ IEC 63056 / EN 62477-1/IEC 60730-1/ EN 62933-5-2/ UN 38.3/ EN 62109-1/-2/ EN 61000-6-2/-4/AS 4777.2
Warranty	5 years

BATTERY

Nominal Capacity	931.84 kWh
Battery Technology	LiFePO4
Charge/Discharge Rate	0.5 P
Cooling	Liquid Cooling
EMS	Integrated
Rated DC Voltage	832 V
DC Voltage Range	715 Vdc - 928 Vdc
Battery Life Cycle	≥6000 times @ 25°C ±2°C 0.5 P charge/discharge energy retention 80% SOH

INVERTER

Operating Voltage range	680-950 Vdc
Max DC current each	202 A
Max AC Power	465 kW
Rated AC Power	465 kW
Max AC Current	756 A
AC line Voltage	400 Vac (- 15% to 10%)
AC line frequency	50/60 Hz
Peak Efficiency	98.7%

COMMUNICATION

Touch Panel	15.6" industrial standard
Communication Protocol	Modbus TCP/RTU/CAN
Cloud	Yes
App	Yes

DIMENSIONS

Dimensions (L*W*H)	2991*2591 *2438 mm
Weight	Max. 12000 Kg

SAFTY/STANDARDS

Protection	IP54/NEMA 3R
Safety	IEC 62619, IEC 63056, EN 62477-1, EN 62109-1/-2, IEC 60730-1, EN62933-5-2, UN38.3, AS4777.2
Grid Support Regulation	TBD
EMC	EN 61000-6-2/-4

BATTERY

Nominal Capacity	1491 kWh
Battery Technology	LiFePO ₄
Charge/Discharge Rate	0.5 P
Cooling	Liquid Cooling
BMS	Integrated
Rated DC Voltage	1331 Vdc
Battery Life Cycle	≥ 6000 times @ 25 °C ± 2 °C 0.5 P charge/discharge energy retention 80% SOH

INVERTER

Max AC Power	822.8 KW (205.7kW *4)
Rated AC Power	748 KW (187kW*4)
Grid Transformer	Not Included
DC-Side Operating Voltage range	1060-1500 Vdc
Max AC Current	688 A (172A *4)
AC line Voltage	690 Vac (- 15% to 10%)
Rated AC line voltage	690 Vac
Rated AC line frequency	50 Hz
Current Harmonics	< 3 % @ rated AC power

COMMUNICATION

Touch Panel	15.6" industrial standard
Communication Protocol	Modbus TCP
Cloud & APP	Yes

OPERATION

Relative Operating Humidity	0-95 %, no-condensation
Operating Temperature Range	-30 °C ~+50 °C
Operating Altitude	≤ 2000 m

DIMENSIONS

Dimensions (L*W*H)	2991 *2438 *2896 mm
Weight	Approx. 16600 Kg

SAFTY/STANDARDS

Protection	IP54
Certification	EN IEC 62619, EN IEC 63056, EN 62477-1, EN 61000-6-2/-4, UN38.3, EN IEC 60730-1, EN 62109-1/-2, EN 62477-1, EN 61000-6-2/-4, EN 62933-5-2, NRS097-2-1/BESF, VDE-AR-N 4105, VDE-AR-N 4110, CE declaration, AS 4777.2
Warranty	5 years (Option: 10years)