



State of the art **energy storage** with high power

Store energy in small spaces

ES Lithium 215, 258, 301, 344kWh
Powered by Sunwoda

ES Integrations is proud to present this ES Lithium battery as a C&I battery solution.

This battery offers an ideal solution for situations requiring significant storage capacity and power within a confined space. It's perfect for applications where space is limited but power requirements are substantial.

With an exceptional energy density, this battery solution offers an impressive 344 kWh capacity within a single container.

Its high capacity and compact design make it an ideal choice for a wide range of applications, providing reliable and efficient energy storage solutions for various industries and purposes.

Store renewable energy at a low footprint

Renewable energy producing technologies are dependent on external factors like the weather.

Today this challenge is resolved thanks to this energy storage solution.

Store your energy in a safe and reliable way

Safety is priority in our solution. Our pack-level fire protection system swiftly detects and addresses fire hazards.

While our advanced insulation technology ensures stable performance, even in demanding environments.

Extra-long lifetime

This battery ensures 30% more cycles compared to the average lithium battery.

Thanks to its unique water-cooling technology, the battery always remains perfectly climatized, significantly reducing degradation of the lithium cells.

Balancing and participating to the grid

Assist in grid stabilization by regulating frequency. The battery can act as a tool to mitigate energy consumption peaks or deficits.

Additionally, it can store energy during periods of low demand and sell it during economically advantageous moments.

Sustainable and safe solution

Avoid energy blackouts and enhance the reliability of energy supply.

Reduce CO2 emissions by utilizing renewable energy sources and store excess energy to prevent wastage.

Electric performance

Nominal output power	Up to 172kVA
Capacity	Up to 344kWh
C-rate	0,5C
Max charging / discharging rate	1C
Cell chemistry	LFP 280Ah 3,2V
DoD	90%
Input - Output voltage	230/ 400 VAC I 3P4W+PE
Rack capacity	43kWh
Rack combinations	5 / 6 / 7 / 8
Scalability	Up to 14 units

Physical parameters

Nominal life cycle	12.000 cycles
Dimensions (WxDxH)	1,57x1,35x2,38m
Total mass	3500kg
Protection level	IP55
Noise level	< 75 dB(A)
Thermal management	liquid cooled
Operation temperature	-30°C ~ 50°C
Relative humidity	5 ~ 95%
Communication and interfacing	Modbus TCP