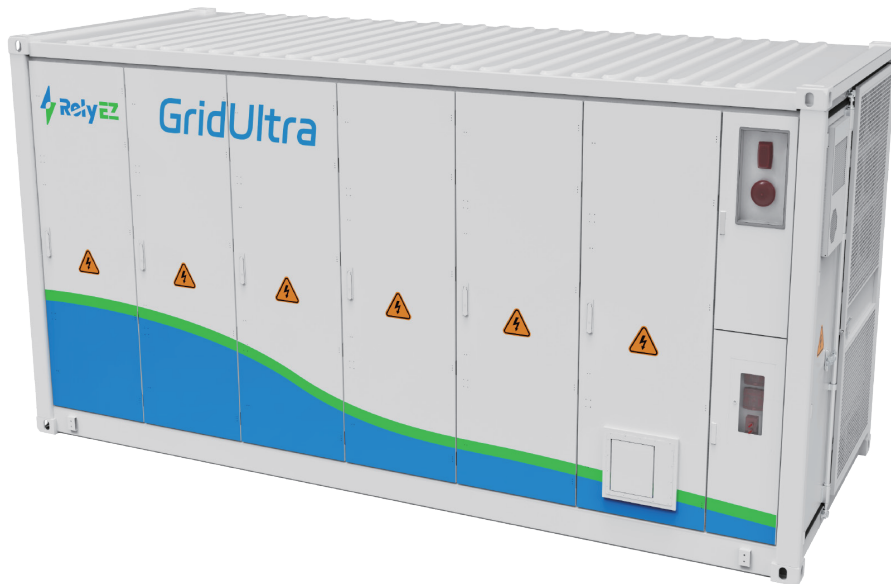

RelyEZ GridUltra Series

4.18MWh (0.25P) & 5.016MWh (0.5P)

Containerized Liquid-Cooled Energy Storage



System Components

GridUltra factory-assembled DC battery storage container ships with 10 battery racks on the 4.18MWh container and 12 battery racks on the 5.016MWh container, power distribution cabinet, fire suppression system and advanced liquid-cooling system.

Battery Rack

The 4.18MWh and 5.016MWh each battery rack is formed by 8 modules, each equipped with a high voltage control box.

Battery Module

The 4.18MWh and 5.016MWh RelyEZ's module is made up of 52 LFP prismatic cells. Each cell undergoes strict quality inspections to ensure high energy density, wide operating temperature range, extended battery life, as well as the highest protection and safety features.



High Efficiency

GridUltra represents the most advanced design implemented by RelyEZ to date, built on experience gained from over a hundred projects and multiple R&D iterations. The non-walk-in container features a modular design that facilitates fast project delivery while also reducing installation and maintenance costs.



High Life Cycle

Liquid-Cooled batteries with a cycle life of over 8000 cycles, high efficiency and a design life of up to 15 years.



High Safety

Liquid-Cooled modules with IP 67 protection level, intelligent fire protection system design, multi-point monitoring and warning. Temperature difference of the cell is less than 3°C, excellent temperature homogeneity.

Category	Item	Specification	
		4.18MWh (0.25P)	5MWh (0.5P)
Industry Certification	Battery Cell	IEC62619, UL1973, UL9540A	
	Battery Pack	IEC60730-1, UN38.3 UL1973, UL9540A, UL 60730-1	
	Battery Rack	IEC62619, IEC 60730-1, IEC 63056, IEC62477-1 UL1973, UL 9540A, UL 60730-1	
	System	IEC 62477-1, IEC 60730-1 EN IEC 61000-6-2/4, UN38.3 UN3536, UL9540, UL 60730-1	
Battery Parameter	Configuration	10P416S	12P416S
	Nominal Capacity	4179.9 kWh	5015.961 kWh
	Nominal Voltage	DC 1331.2 V	DC 1331.2 V
	Voltage Range	DC 1164.8~1497.6 V	DC 1164.8~1497.6 V
	Round Trip Efficiency at BOL	93%	
System Parameters	Rated Charging Current	785 A	1884 A
	Maximum Charging Current	1000 A	2411 A
	Rated Charging Power	1045 kW	2500 kW
	Rated Discharge Current	785 A	1884 A
	Maximum Discharge Current	1000 A	2411 A
	Rated Discharge Power	1045 kW	2500 kW
	Auxiliary Power Supply Voltage	AC 400/480V,50/60Hz	
	Auxiliary Power Supply Demand	Max 35 kW	Max 45 kW
	Operation Ambient Temperature	-30°C to 50°C (-22°F to 122°F)	
	Storage Temperature	-20°C to 45°C (-4°F to 113°F)	
	Application Altitude	≤2000 m/<3000 m (≤6561.68 ft/<9842.52 ft) available, derate	
Basic Paramaters	Dimensions (L x W x H)	6058 x 2438 x 2896 mm (238.50 x 95.94 x 113.98 in)	
	Weight	About 36.5 T (73,000 lb)	About 42 T (84,000 lb)
	Container IP Rating	IP 55	
	Module IP Rating	IP 67	
	Cooling Method	Liquid-Cooling	
Warranty	Standard	5 years (included)	
	Extended Warranty	15 years-covered by MunichRe	