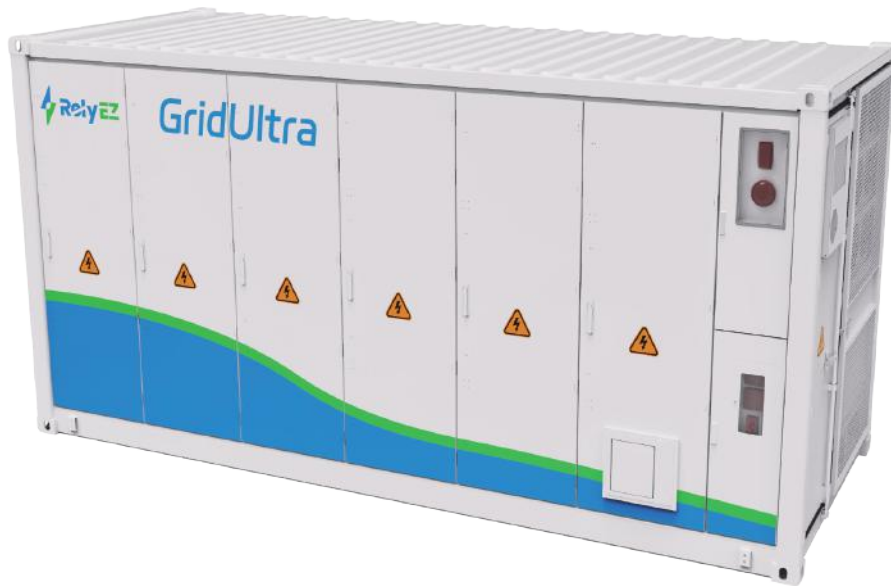


RelyEZ GridUltra Series

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 Parameters | 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 | |