



0.5C- 215kWh Lithium-Based Liquid-Cooled Industrial Energy Storage System (BESS)



What Are Container-Type Batteries?

Industrial type batteries are energy storage systems where high-energy-density batteries, such as lithium-ion, are placed inside a modular industrial and supported by specialized cooling, protection, and monitoring systems. Industrial type batteries provide a sustainable and reliable energy source, especially when integrated with renewable energy sources, ensuring a balanced supply and demand of energy.

215kWh Industrial Type Battery Energy Storage Cabinet

1. High-performance LiFePo4 battery .
2. Intelligent temperature control .
3. Real-time data backup.
4. Automatic fire fighting system with high safety.
5. Patented design with pressure relief and flame arrest.
6. One-button start, automatic operating and it support multiple parallel connection.
7. Protection class IP54, suitable for outdoor use.
8. Four layers of safety protection design for reliability.
9. Remote viewing service.

Applications



Renewable Energy Storage

- Helps maintain a stable and reliable power supply by storing energy obtained from renewable sources like solar and wind.



Grid Backup Power

- Serves as a backup during power outages, meeting the energy needs of critical infrastructures such as hospitals and data centers.



Peak Load Balancing

- Activates during peak grid hours to help balance energy demand, reducing the load on the power grid.



Industrial and Commercial Energy Management

- Reduces energy costs and ensures uninterrupted power in high consumption locations like factories, data centers, and hospitals reducing the load on the power grid.



Mobile Power Requirements

- Offers a quick and portable energy solution for temporary power needs in event areas, construction sites, or remote locations.

Yiğit Battery's Solutions

Yiğit Battery is a forward-thinking, innovative, and powerful brand that has established itself as a leader in the global market with its exceptional products and solutions. By exporting to over 100 countries across five continents, we are proud to deliver cutting-edge energy storage solutions that meet the diverse needs of customers worldwide. Our expertise and dedication allow us to remain at the forefront of the energy storage industry, providing reliable and advanced technologies that enhance energy efficiency and resilience.

With our industrial type batteries, designed to perform under even the most challenging conditions, we are committed to supporting our customers in optimizing their energy management systems. These solutions not only streamline operations but also align with global sustainability goals, helping businesses and individuals reduce their environmental impact.

PARAMETERS

GF-215kWh

Cell type / Ah	LFP-280
Package type	1P48S
Shelf size	1P240S
System configuration	1P240S
Battery capacity/kWh	215
DC usable energy FAT (Factory acceptance test)/kWh	215
DC usable energy SAT (Site acceptance test)/kWh	210
Battery voltage range	DC650V-876V
Charge-discharge ratio/C	0.5
Max charge - discharge ratio/C	0.5
Nominal power/kWh	100
Maximum current/A	164
Cabinet type	Nonstandard cabinet
Size/mm	D1460*W1400*H2203
Weight	2.5T
IP	IP54
Anti-corrosion grade	C4
Operating temperature range	Recommend operation temperature 10°C~35°C storage temperature -30°C~-55°C
Relative humidity	5%RH~ 95%RH
Maximum operating height/m	≤3000
Cooling concept	Liquid cooling
Noise	≤80dB@1m
Fire suppression system	System level:Perfluoro ketone fire protection Pack level:Aerosol fire protection
Auxiliary system voltage	AC230V/400V 50/60Hz
Auxiliary system wiring	3L+N
Auxiliary system peak power requirement/kWh	105
Communication interfaces	CAN/RS485
Communication protocols	CAN2.0B/modbus-RTU
Standard color	RAL7035
Compatibility	UN38.3 Cell: ROHS,UL1642,UL1973,UL9540A



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