

ITRAMAS™

For a greener, smarter and safer tomorrow

POWER REDEFINED

Battery Energy Storage System



IN COLLABORATION WITH  **Gotion**

Why ITRAMAS™ Battery Energy Storage System (BESS)?

Backed by Gotion's battery technology, ITRAMAS™ (BESS) delivers a mobile solution that helps you stay powered, reduce costs, and take control of your energy usage anytime & anywhere.

- **Backup Power**
Keeps essential appliances and operations running during outages.
- **No Installation**
Store energy from solar or off-peak hours and use it when rates are higher.
- **Smart Energy**
Optimises solar usage and balances daily energy demand.
- **Future Ready**
Suitable for residential homes, offices, shops, factories, and warehouses.



Application Scenarios



Factories



Commercial
Buildings



Offices &
Workplaces



Data
Centres



Industrial
Facilities



Solar Farms

SSBS-261-CE

Lithium-ion Battery Outdoor Cabinet for Commercial & Industrial

ADVANTAGES



Comprehensive Protection Real-time Monitoring

- EMS real-time monitoring and fault logging
- BMS real-time detection to protect the safe operation of the battery system



Safe, Environmentally Friendly and Highly Adaptable

- Supporting parallel and offline mode
- Early fault warning and location



Unattended, Intelligent Operation and Maintenance (O&M)

- Access to energy storage intelligent O&M system
- Intelligent statistical analysis
- Cloud-side collaboration
- Reporting and remote control



Modular Design

- Scalable design, customized design
- High space utilization

IN COLLABORATION WITH  **Gotion**



Model	SSBS-261-CE	
Parameter	60Hz / 480V	50Hz / 400V
Battery		
Cell Type	LFP 3.2V / 314Ah	
Battery Capacity	261kWh	261kWh
Nominal Voltage	832V	
Voltage Range	728V – 936V	
AC Side Parameters		
Rated Power	125kW	
Maximum Power	137.5kW	
Current Harmonics	<3% (Rated power)	
DC Component of Current	<0.5%	
Rated Grid Voltage	480V (–12% ~ +10%)	400V (–15% ~ +15%)
Rated Current	150A	180A
Power Factor	>0.99 (Rated power)	
Rated Grid Frequency	60Hz	50Hz/60Hz
Grid Frequency Range	55Hz – 65Hz	50Hz/60Hz ±2.5Hz
System Parameters		
Protection Level (IP Rating)	IP55	
Operating Temperature	–30°C ~ +50°C	–25°C ~ +50°C
Operating Humidity	≤95%	
Maximum Operating Altitude	4000m	
Thermal Management System	Liquid-Cooling	Liquid-Cooling + Air-Cooling
Fire Suppression System	PACK-Level Aerosol Container-Level Aerosol Explosion Venting	
Communication Interface	4G, RS485, Ethernet (reserve)	
Standards & Certifications	UL9540*, UL1973*, UL1741*, UL9540A*, NFPA68*, UN3480*	IEC62477, IEC61000, IEC63056, IEC62619, IEC60730, UN3480
Dimensions (W×D×H)	1120 × 1350 × 2420mm	
Weight	3.5t	2.6t

SSBS-522-CE

Lithium-ion Battery Outdoor Cabinet for Commercial & Industrial

ADVANTAGES



Comprehensive Protection Real-time Monitoring

- EMS real-time monitoring and fault logging
- BMS real-time detection to protect the safe operation of the battery system



Safe, Environmentally Friendly and Highly Adaptable

- Supporting parallel and offline mode
- Early fault warning and location



Unattended, Intelligent Operation and Maintenance (O&M)

- Access to energy storage intelligent O&M system
- Intelligent statistical analysis
- Cloud-side collaboration
- Reporting and remote control



Modular Design

- Scalable design, customized design
- High space utilization

IN COLLABORATION WITH



Model	SSBS-522-CE	
Parameter	60Hz / 480V	50Hz / 400V
Battery		
Cell Type	LFP 3.2V / 314Ah	
Battery Capacity	522kWh	522kWh
Nominal Voltage	832V	
Voltage Range	728V – 936V	
AC Side Parameters		
Rated Power	125kW	
Maximum Power	137.5kW	
Current Harmonics	<3% (Rated power)	
DC Component of Current	<0.5%	
Rated Grid Voltage	480V (–12% ~ +10%)	400V (–15% ~ +15%)
Rated Current	150A	180A
Power Factor	>0.99 (Rated power)	
Rated Grid Frequency	60Hz	50Hz
Grid Frequency Range	55Hz – 65Hz	45Hz – 55Hz
System Parameters		
Protection Level (IP Rating)	IP55	
Operating Temperature	–30°C ~ +50°C	
Operating Humidity	≤95%	
Maximum Operating Altitude	4000m	
Thermal Management System	Liquid-Cooling	
Fire Suppression System	PACK-Level Aerosol Container-Level Aerosol Explosion Venting	
Communication Interface	4G, RS485, Ethernet (reserve)	
Standards & Certifications	UL9540*, UL1973*, UL1741*, UL9540A*, NFPA68*, NFPA69*, UN3480*	IEC62477*, IEC61000*, IEC63056*, IEC62619*, IEC60730*, UN3480*
Dimensions (W×D×H)	1900 × 1400 × 2420mm	
Weight	8t	

SSBS-836-CE

Lithium-ion Battery Outdoor Cabinet for Commercial & Industrial

ADVANTAGES



High Safety

- Cabinet-to-cabinet fire resistance
- Cabinet body : fire resistance rating of 1.5hours
- Temp and smoke sensors+aerosol and water fire protection system



Flexible Intergration

- Prefabricated cabinets, easy for on-site installation
- Adapt to size of 20ft and 40ft standard container
 - Supporting parallel connection and system expansion
- Supporting reduced pack configurations



Multiple Scenarios

- Urban buildings, communities
- Low-voltage area network
- Highly integrated liquid-cooled C&I ESS



Smart and User-Friendly

- Supporting parallel and offline mode
- Early fault warning and location
- Real-time monitoring and fault logging

IN COLLABORATION WITH  **Gotion**



Model	SSBS-836-CE	
Parameter	60Hz / 480V	50Hz / 400V
Battery		
Cell Type	LFP 3.2V / 314Ah	
Battery Capacity	836kWh	
Nominal Voltage	1331.2V	
Voltage Range	1164.6 – 1497.6V	
AC Side Parameters		
Rated Power	418kW (0.5P@25°C)	
Maximum Power	418kW (0.5P@25°C)	
Current Harmonics	—	
DC Component of Current	—	
Rated Grid Voltage	480V	400V
Rated Current	314A	314A
Power Factor	—	
Rated Grid Frequency	60Hz	50Hz / 60Hz
Grid Frequency Range	—	
System Parameters		
Protection Level (IP Rating)	IP55	
Operating Temperature	-30°C ~ +50°C	
Operating Humidity	≤95%	
Maximum Operating Altitude	3000m	
Thermal Management System	Liquid-Cooling	
Fire Suppression System	Container-Level Aerosol Explosion Venting	
Communication Interface	CAN, RS485, Ethernet (reserve)	
Standards & Certifications	UL9540*, UL1973*, UL1741*, UL9540A*, NFPA68*, UN3480*	IEC62477*, IEC61000*, IEC63056*, IEC62619*, IEC60730*, UN3480*
Dimensions (W×D×H)	1400 × 2400 × 2420mm	
Weight	8t	

Notes





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Why Choose ITRAMAS™

- ✓ Award winning green technology company since 1999
- ✓ The largest vertically integrated Renewable Energy Developer
- ✓ Operating 200 MWp and developing 1.5GWp Large Scale Solar Plant
- ✓ Extensive experience and expertise in the solar industry
- ✓ Executed more than 1000 residential and commercial solar projects

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