BESS TECH

ENERGY STORAGE

Your Energy Storage Specialist

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About BESS TECH

Leading the Charge in Energy Storage Solutions Across Europe

BESS TECH is dedicated to providing **comprehensive design and product solutions** for energy storage projects throughout Europe.

Our mission is to deliver innovative and reliable services in local languages, ensuring smooth communication and effective implementation for all our clients in the renewable energy sector.

Presented by BESS TECH Team

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European Energy Storage market prospects

The European energy storage market is growing rapidly as grids integrate more wind and solar power, with around 90–100 GW of capacity installed today supported by batteries and pumped hydro. Policies and falling technology costs are boosting both utility-scale and distributed storage deployments. By 2030, total storage capacity is expected to more than double—possibly exceeding 200 GW—playing a key role in balancing renewables, enhancing grid flexibility, and supporting decarbonization goals across the continent.

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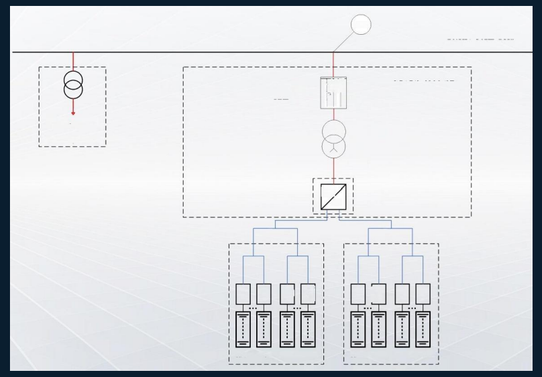
Why Choose BESS TECH?

Local Language Support

Ensuring clear communication with all stakeholders involved.

Reliable Products

Providing dependable energy storage solutions for clients.



Customized Solutions

Tailoring services to meet unique customer requirements.

Lolcal Technical Support

Dedicated to fostering strong relationships with partners.

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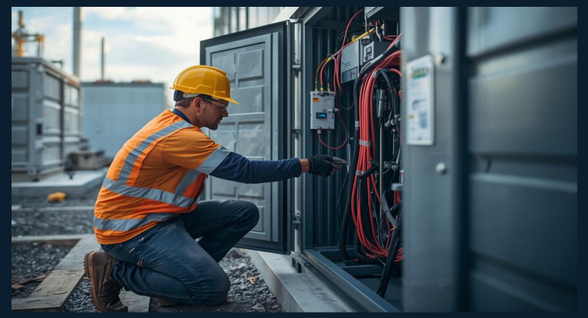
BESS TECH Technical Assistance Offerings

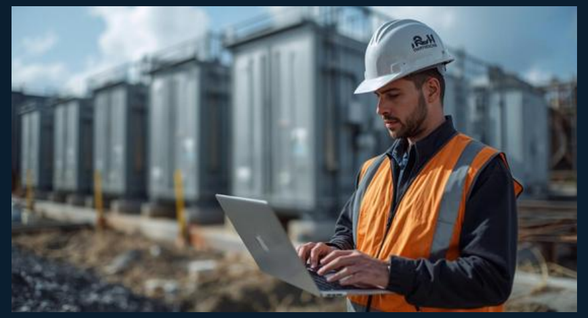
Design Consultation

Expert guidance for tailored energy storage solutions.



Troubleshooting

Timely assistance for resolving technical challenges.



Remote &On Site Commissioning

Efficient setup and verification of energy systems.

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Technical Services Across Europe

Supported Countries

- Germany
- France
- Italy
- Spain
- Poland
- Other European countries

Technical Assistance Offerings

- Design consultation
- Troubleshooting services
- Remote & On-site commissioning
- Training & Technical support

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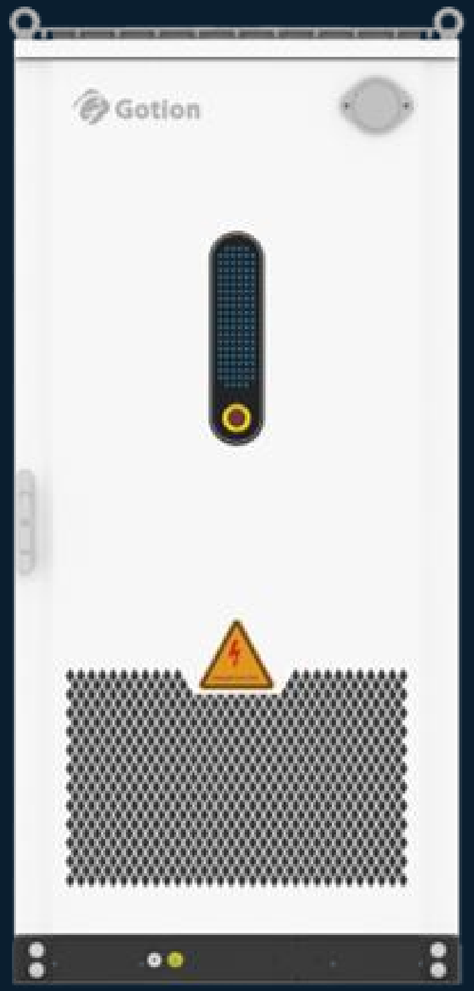
Gotion ESC-R125-261-CE



Model	ESC-R125-261-CE
Cell Type	LFP-314Ah
Grouping Mode	1P52S*5
Charge/Discharge Rate	0.5P@25° C
Nominal Energy (kWh)	261
Voltage Range (V)	728-936
AC Side	
AC Voltage (V)	400 (-15%~15%)
Rated Power (kW)	125
PCS Maximum Efficiency (%)	99
Total Harmonic Distortion Ratio (%)	<3
System Parameters	
Work Temp Range (C)	-30~50 (>45° C derating)
Work Humidity Range (%)	5~95
Cooling Mode	Liquid-cooled
Altitude (m)	≤3000 (>2000 derating)
Maximum System Efficiency (%)	90
System Cycle Life	>8000,0.5c@25° C,90%DOD
Fire Suppression System	Aerosol FSS
Ingress Protection	IP55
Communication Port	RS485, Ethernet*2
Communication Protocol	Modbus/MQTT
Certification	GB/T36276, IEC62619, IEC62477, IEC61000, UN38.3
Dimension (W*D*H*)mm	1120*1350*2420mm
Weight (T)	2.6
Standards & Certification	
UL	UL9540A (pack)

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Gotion ESC-R100-211-CE

Model	ESC-R100-211-CE
Electrical Parameters	
Cell Type	LFP-300Ah
Cell cycle life	>8000
Rated Voltage (Vdc) of Single Cell	3.2
Pack Configuration	1P44S
Rack Configuration	1P220S
System Configuration	1P220S
System Nominal Energy (kWh)	211
System Rated Voltage (Vdc)	704
System Voltage Range (Vdc)	600-803
System Output Voltage (Vac)	400@50Hz/60Hz
System Rated Power (kW)	100
Charge / Discharge Rate	0.5P@25°C
Components	
High Voltage Box	Integrated in Control Box
Confluence Cabinet	Integrated in Control Box
Monitoring System (HMI)	Integrated
Fire Suppression System	Temperature/Smoke detection +gas concentration detection +explosion relief panel +Aerosol
Thermal Management System	Integrated Liquid Cooler(5kW cooling capacity) + Air-cooling for PCS
Conditions	
Storage Temperature (°C)	-30-60
Working Ambient Temperature (°C)	-20-45 (>45 Derating)
Working Relative Humidity (%)	0-95 (Non-condensing)
Working Altitude (m)	≤ 2000 (>2000 Derating)
Other Parameters	
Max. Parallel Sets	20(grid-connected), 4(off-grid)
Ingress Protection	IP55
Communication Interface	4G*, RS-485, Ethernet(reserve)
Communication Protocol	Modbus RTU/MQTT
Dimensions (L×W×H) mm	1340×1300×2260
Weight (t)	≈ 2.6
Standards & Certification	
UL	UL9540A (pack)
IEC	IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 63056 IEC 62619, IEC 60730-1
Transportation	UN38.3, UN3480

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Gotion Grid 5015

Model	ESD1331-05P5015
Electrical Parameters	
Cell Type	LFP-314Ah
Cell Cycle Life	> 12,000*
Rated Voltage of Single Cell	3.2Vdc
Pack Configuration	1P104S
Rack Configuration	1P416S
System Configuration	12P416S
System Nominal Energy	5015kWh
System Rated Voltage	1331.2Vdc
System Voltage Range	1040Vdc ~ 1497.6Vdc
Charge / Discharge Rate	≤0.5p @ 25°C/77°F
Components	
High Voltage Box	Integrated
Confluence Cabinet	Integrated
Monitoring System (HMI)	Integrated
Fire Suppression System	• Explosion-proof Exhaust and Ventilation System • Temperature/Smoke/Combustible Gas Detection System • **PACK-level submerged** Fire Extinguishing System • Aerosol Fire Extinguishing System • Prefabricated Water Sprinkler System (Optional)
Thermal Management System	• Integrated Liquid Cooler 60kW Cooling Capacity for Battery • Air-cooling for Other Equipment
EMS	Not Integrated
BMS	Integrated Option: U.S. Manufactured
Conditions	
Storage Temperature	-30°C ~ 60°C/-22°F ~ 140°F
Working Ambient Temperature	-30°C ~ 45°C/-22°F ~ 113°F(>45°C/113°F Derating)
Working Relative Humidity	0% ~ 95% (Non-condensing)
Working Altitude	≤3000m/9842ft (>3000m/9842ft Derating)
Other Parameters	
Ingress Protection	IP55 (Except Liquid Cooler)
Communication Interface	CAN, RS-485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Dimensions (W×D×H)	6058mm×2438mm×2896mm/238.5in×96in×114in (20ft Container)
Weight (t)	44
Standards & Certification	UL9540A, UL9540, UL1973, UN38.3, UN3536, NFPA855, NFPA69, RoHS, Reach, (EU) 2023/1542, IEC 62477-1, IEC 60529, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 63056, IEC 62619, GB/T 36276

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Project Overview

Track record(UK) —PGT-Sheaf 453MWh ESS Project

Gotion Energy Storage offered this project in 2023.

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Project Overview

Track record(USA)— 491MWh ESS Plant, Arizona

Installed in 2023

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Project Overview

C&I project in Hungary

Installed in 2025

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Future Innovations

Sustainability Focus

BESS TECH is dedicated to developing cutting-edge energy storage technologies that enhance efficiency and support a sustainable future, ensuring lasting benefits for our clients and the environment.

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Contact Us

We are here to assist you with all your energy storage solutions.

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Thank You for Your Attention