



A Global Leader

In the Energy Storage Industry



ESS Market

Front-of-the-Meter

- Utility-scale Generation
- Utility-scale Energy Storage
- Transmission and Distribution

Behind-the-Meter

- Commercial and Industrial (C&I)
- Residential

Go Innovation

Cherish | Pragmatism | Integrity | Innovation

www.gotion.com



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Gotion High-tech Co., Ltd., (Gotion) has made this Brochure as comprehensive and accurate as possible on the basis of the existing information, but reserves the right to modify the data, parameters and other information without further notice. Gotion High-tech reserves the right of final interpretation of this Brochure.

Gotion High-tech Co., Ltd.

Headquarters Add: No. 566, Huayuan Avenue,
Baohe District, Hefei City, Anhui Province, China

Email: sales@gotion.com

Version 2.0



Official LinkedIn



Official Wechat



Official Website

About Gotion



Gotion High-tech Co., Ltd. is a pioneering private enterprise in the power battery industry, making its mark on the capital market in May 2015 (stock code: SZ.002074). The company specializes in power lithium batteries, energy storage solutions and power transmission and distribution equipment.

Product Market Layout

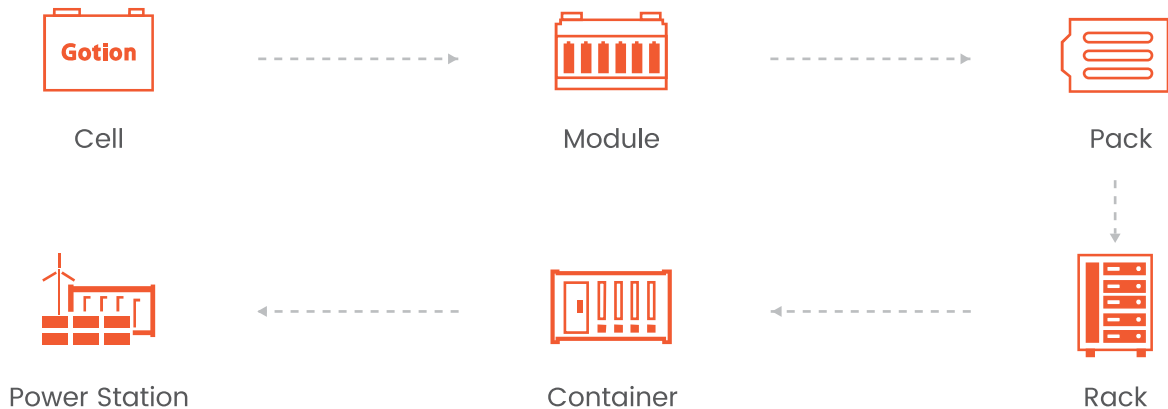
- EV Market
- ESS Market
- Recycling Market

Main Business

EV Battery Systems and Services



Energy Storage Solutions and Services



We Provide



• Localized Factory



• Extended Warranties



• After-sales Service



• Financing Service

* All Services for Both EV and ESS



2006

Established



2015

Successfully listed in



RMB

2,769 Million+

R&D Investment in 2023



RMB

31,605 Million+

Revenue in 2023

Global Achievements

Gotion High-tech is Recognized in **Bloomberg's Energy Storage Manufacturer Tier 1 List** in H1 2024

Gotion High-tech is Recognized in **SMM's Energy Storage Manufacturer Tier 1 List** in 2024

Top 3

the Global Installed Capacity of LFP Batteries in 2023

2024

Volkswagen Battery Category Best Supplier

2024

China Top 500 Enterprises

Energy Storage Product Achievements



Applied since **2018**



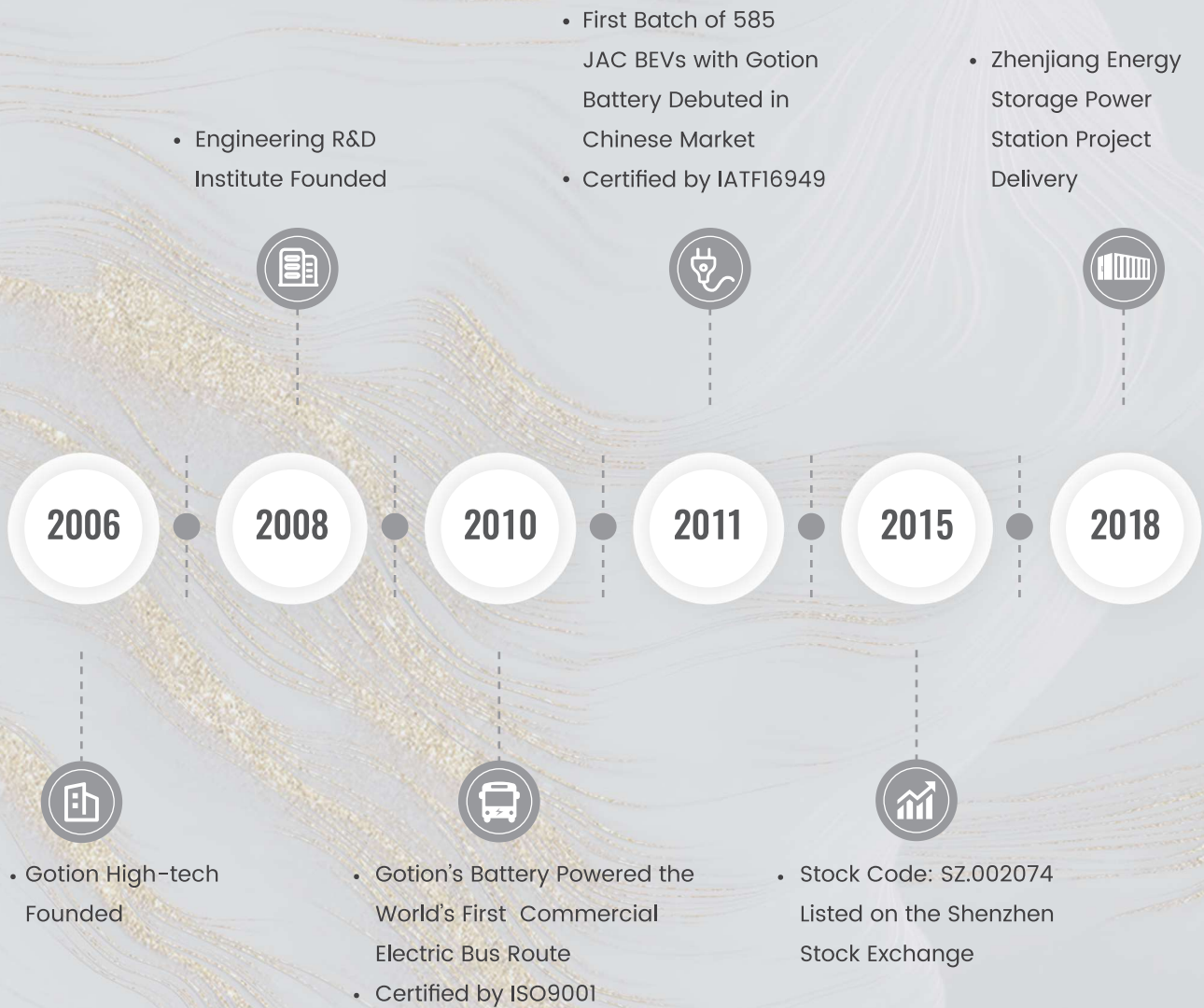
Project Cases **>200**



Shipment Volume **>25GWh**

- Huaibei Wanneng Energy Storage Power Station Project I , the LFP Energy Storage Power Station on the Grid Side with **the Largest Single Capacity in China.**
- California Theater Energy Storage Project **the First Case in the US.**

Company Milestones

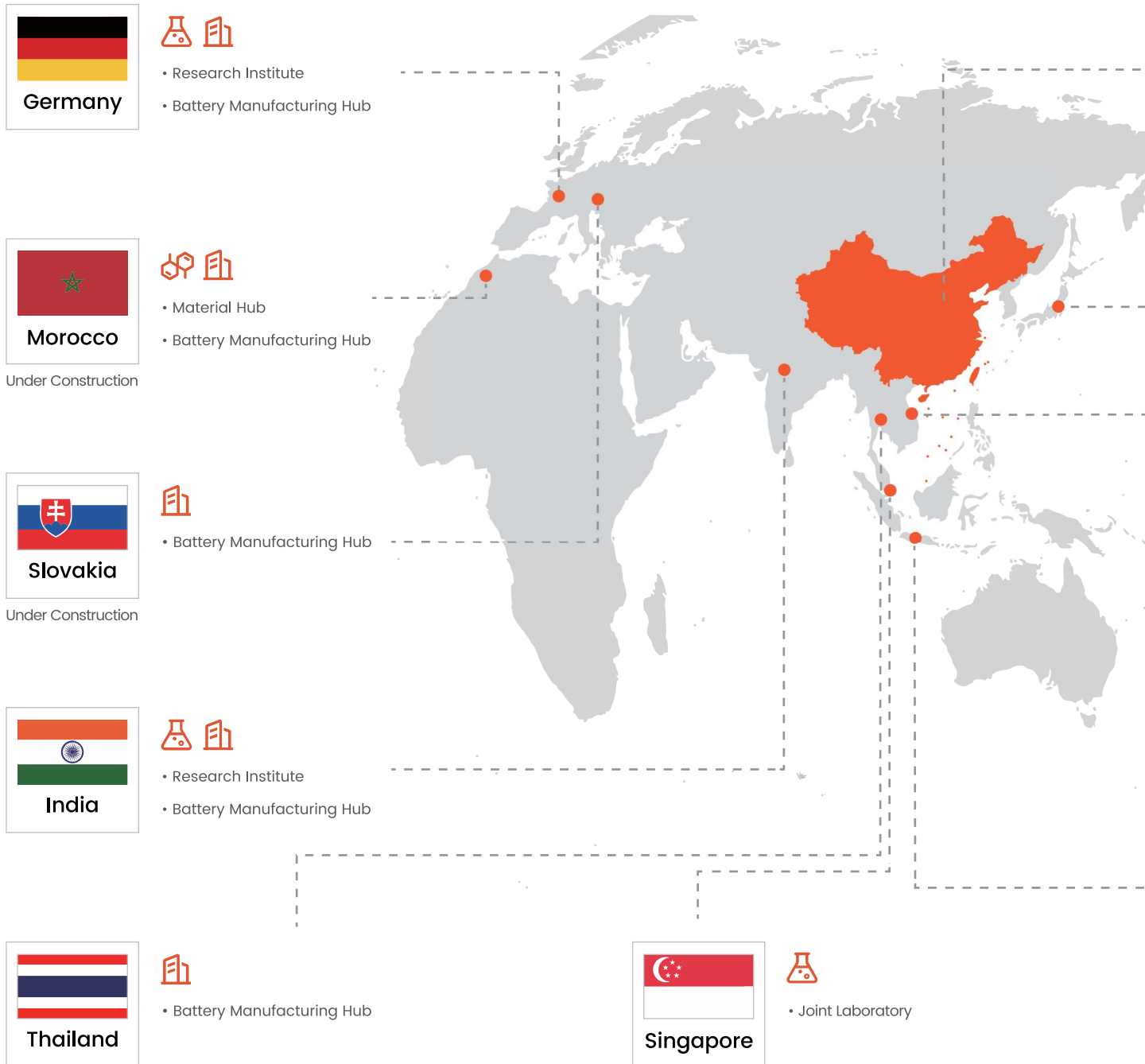




Global Footprints



8 Global R&D Centers; 20 Global Production Hubs; 4 The Layout of Localized Supply of Materials





Headquarters



R&D



Plant



Materials



China



- Headquarters
- Engineering Research General Institute
- Battery Manufacturing Hub
- Material Hub



America



- Silicon Valley Institute
- Cleveland Institute
- Material Hub
- Battery Manufacturing Hub



Japan



- Tsukuba Research Institute



Argentina



Under Construction

- Material Hub
- Battery Manufacturing Hub



Indonesia



- Material Hub
- Battery Manufacturing Hub

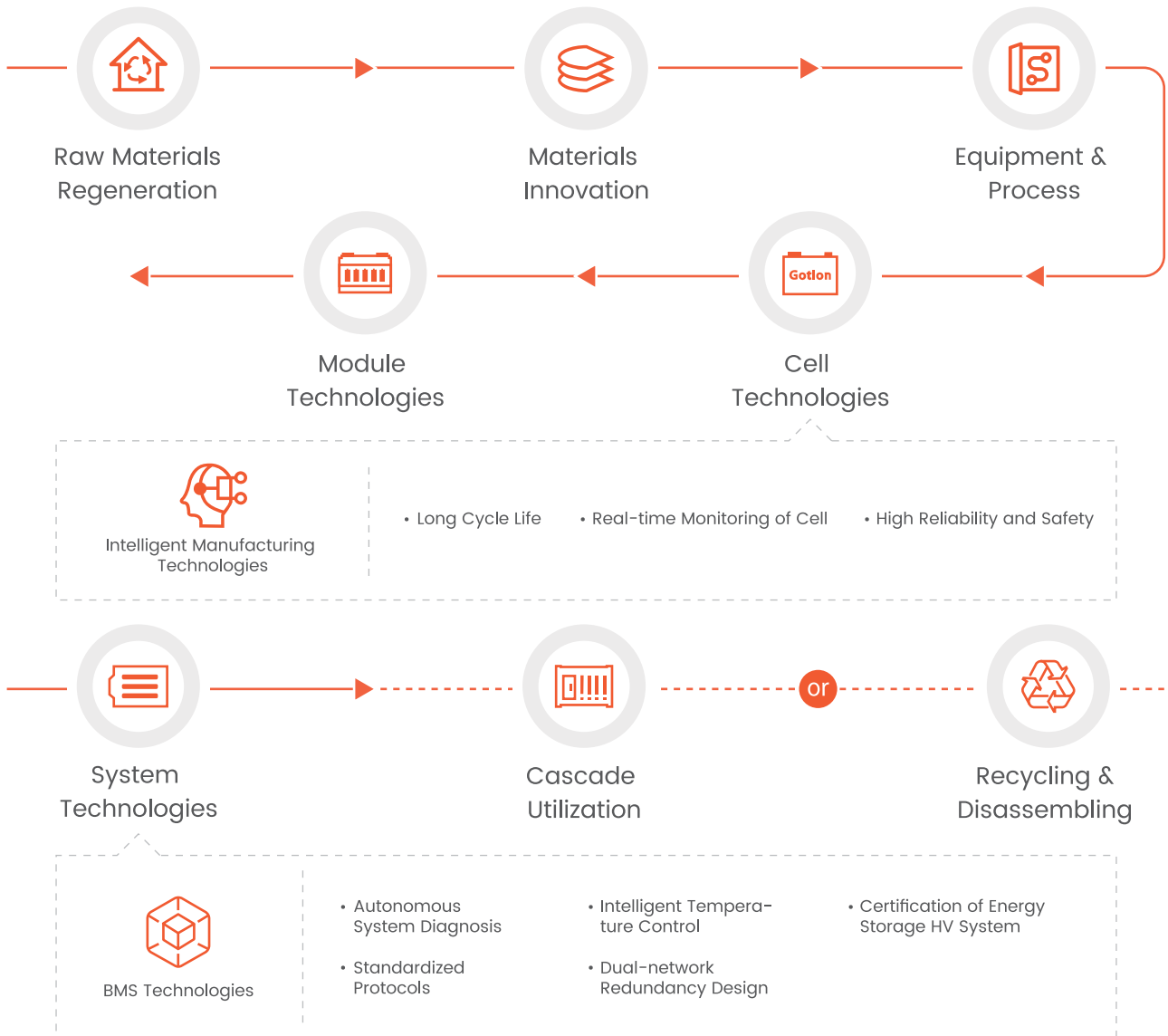


Vietnam



- Battery Manufacturing Hub

Technology Highlights



9295 Patents Applied

290 Research Papers Published

93 Industry Standards Formulated

≥1000 Material Field Patent Holdings

Data as of 30.06.2024



R&D Strength

Three Validation Platforms



Material Testing



Electrical Performance Testing



Safety and Reliability Testing

Team Size

R&D Investment YOY Growth Rate (2023) ←-----→ **14.57%**

Current R&D Team ←-----→ **7,000+**

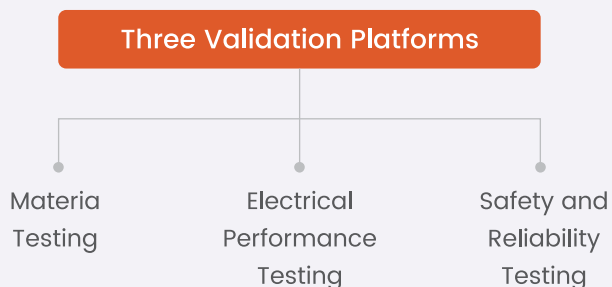
Materials R&D Team ←-----→ **1,000+**

Overseas R&D Personnel ←-----→ **600+**

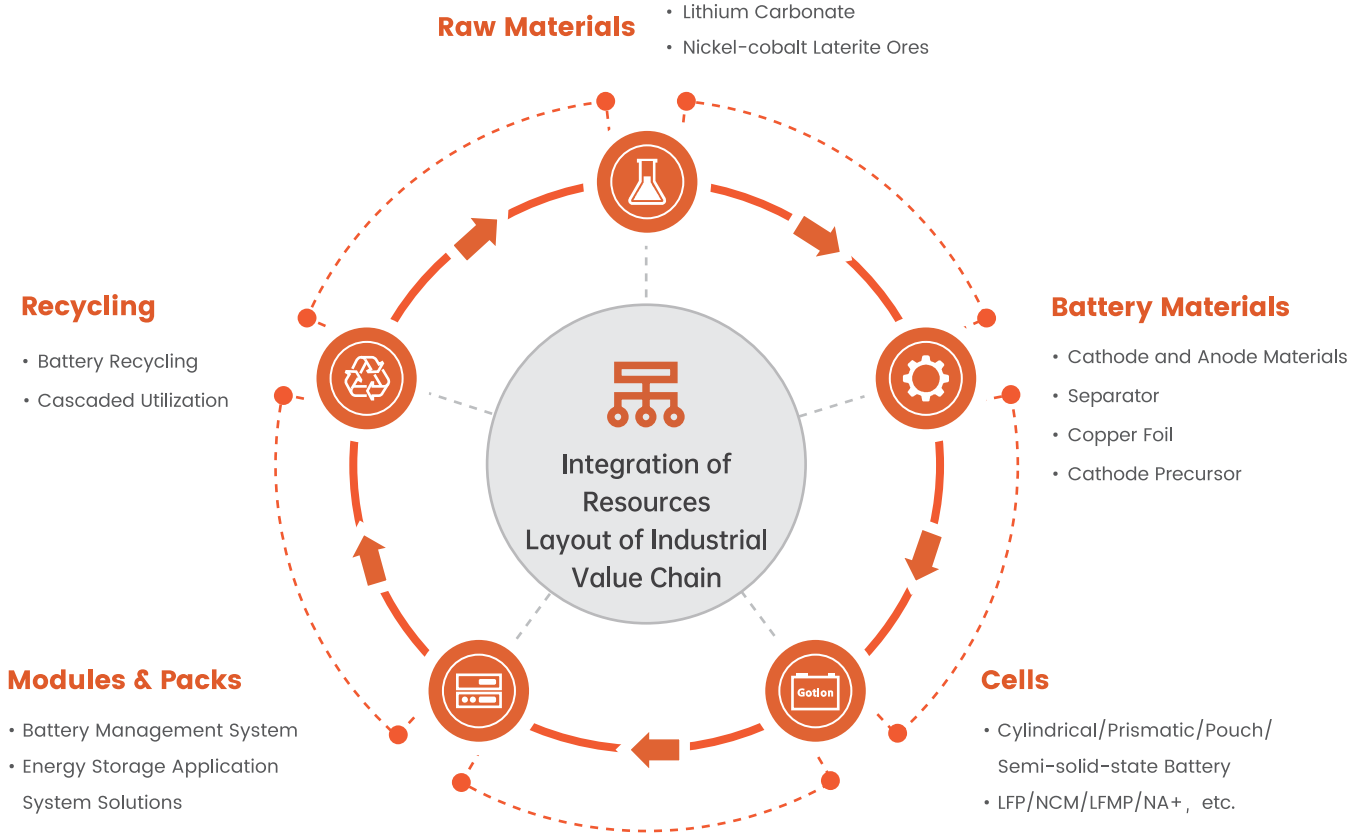
Ph.D. Degree Holders ←-----→ **200+**

Scientific and Technological Innovation

1 Global New Energy Vehicle Innovation Technology Award (Key Technology and Application of Phosphate Polyanionic 210Wh/kg Battery)



Worldwide Integrated Industry Chain



Full Industrial Chain

- Europe, Africa, America, Asia-Pacific and China
- Independent Self-sufficient Raw Material Supply
- Closed Loop Industry Value Chain
- Substantial Lithium Mine Layout

America	Europe&Africa	China	
Cathode Material	Cathode Material	Hefei, Anhui	NCM, LFP Cathode Material, Separator
Anode Material	Separator	Yichun, Jiangxi	Lithium Carbonate
Separator	Aluminum Foil	Caofeidian, Hebei	NCM Precursors
Argentina	Indonesia	Wuhai, Inner Mongolia	Anode Material
Lithium Carbonate	Nickel-Cobalt	Tongling, Anhui	Copper Foil

Quality Assurance



Recognized by CNAS in 2015, the Gotion High-tech Testing and Experimental Center is East China's largest lithium-ion battery testing facility. It houses over 1,000 advanced testing devices and employs 700+ technical experts. The center specializes in materials development, performance testing, safety, reliability, and BMS which leads key national projects.

Quality and Emergency Response System

<p>Full Flow Management</p> <ul style="list-style-type: none"> • QMS • Quality Audit • Quality Performance • Quality Culture 	<p>Development Quality</p> <ul style="list-style-type: none"> • Design Quality Management • Project Gate Review • NPI 	<p>Supplier Quality</p> <ul style="list-style-type: none"> • Supplier Management • Supplier Qualification • Incoming Material Quality
<p>Manufacturing Quality</p> <ul style="list-style-type: none"> • Process Improvement • Product Quality • Lab & Gauges 	<p>After-sales Service</p> <ul style="list-style-type: none"> • Complaints Improvement • Product Safety • Failure Analysis Program 	<p>Customer Services</p> <ul style="list-style-type: none"> • *24/7 Remote Monitoring • *Active Fault FCST • Standardized Failure Tree Analysis


*24/7 Remote Monitoring and Fault FCST Active are Customized Service.

Quality Certification



UN38.3

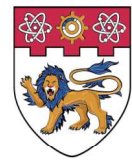


Certificate for 
Online Auditing



RDW

Joint Laboratory



ISO9001



IATF16949





5

ESS Product



- Utility-Scale BESS
- Commercial & Industrial BESS
- Residential BESS
- Mobile EV Chargers
- Portable Power for Gendome Residential

Gotion GRID 5068/5015

Liquid Cooling Energy Storage System III



5068/5015 kWh
High Energy

12000cycles
Long Life Span

3-Layer Protection
High Safety

20ft
Standard Container

3 °C
Intelligent Temperature Control

33%
Occupied Area Saved

- ✓ High-Energy-Density System
- ✓ Optional Battery Container
- ✓ Optimal Space Utilization
- ✓ Integrated BMS Development
- ✓ Low Cost with Minimal Footprint

>>> ESS Product Solution

-  Thermal Energy Storage
-  Wind and Solar Energy Storage
-  Shared Energy Storage
-  Peak-valley Arbitrage



*The image illustrates two electrical racks physically mounted together to fit into the container, and one electrical rack comprises four battery packs connected in series.

Model	ESD1280-05P5068	ESD1331-05P5015
Electrical Parameters		
Cell Type	LFP-330Ah	LFP-314Ah
Cell Cycle Life	> 12000	
Rated Voltage (Vdc) of Single Cell	3.2	
Pack Configuration	1P100S	1P104S
Rack Configuration	1P400S	1P416S
System Configuration	12P400S	12P416S
System Nominal Energy (kWh)	5068	5015
System Rated Voltage (Vdc)	1280	1331.2
System Voltage Range (Vdc)	1000-1460	1040-1497.6
System Rated Power (kW)	2534	2507.5
Charge / Discharge Rate	≤ 0.5P@25° C	
Components		
PCS	Not Integrated	
High Voltage Box	Integrated	
Confluence Cabinet	Integrated	
Monitoring System (HMI)	Integrated	
Fire Suppression System	Explosion-proof exhaust and ventilation+Temperature/Smoke/ Combustible gas detection+PACK-level submerged fire extinguishing+ Aerosol/ FK-5-1-12 +Water sprinkler system	
Thermal Management System	Integrated Liquid Cooler 60kW cooling capacity + Air-cooling for Container	
EMS	Not Integrated	
BMS	Integrated	
Conditions		
Storage Temperature (° C)	-30~60	
Working Ambient Temperature (° C)	-30~45 (> 45 Derating)	
Working Relative Humidity (%)	0~95 (Non-condensing)	
Working Altitude (m)	≤ 3000 (>3000 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 (L×W×H) mm	6058×2438×2896 (20ft Container)	
Weight (t)	≈ 44	≈ 43

Gotion GRID 3421

Liquid Cooling Energy Storage System II



>>> Excellent Safety

Protection Design

- Dry wet separation design by an integrated die-cast structure of the liquid cooling plate and pipeline



1st Level Protection

- Continuous BMU Cell level temperature monitoring
- Cell Temperature Rise Alarm

- Cell thermal runaway suppression by pack-level immersion system with no reignition after 24 hours

2nd Level Protection

- Thermal + Smoke + Combustible Gas Detection and Alarm
- Liquid Leakage Detection

- Active ventilation and pressure relief system
- FK 5-1-12 automatic dry agent fire extinguishing system

3rd Level Protection

- *Water sprinkler system
- External Fire Hose Connection Port



* Dry pipe optional

System-3421

Rack×9

Pack×81

Cell×3564



Electrical Parameters

Cell Type	LFP-300Ah
Cell Cycle Life	>8000
Rated Voltage (Vdc) of Single Cell	3.2
Pack Configuration	1P44S
Rack Configuration	1P396S
System Configuration	9P396S
System Nominal Energy (kWh)	3421
System Rated Voltage (Vdc)	1267.2
System Voltage Range (Vdc)	990-1445.4
System Rated Power (kW)	1710.5
Charge / Discharge Rate	≤ 0.5P@25° C

Components

PCS	Not Integrated
High Voltage Box	Integrated
Confluence Cabinet	Integrated
Monitoring System (HMI)	Integrated
Fire Suppression System	Explosion-proof exhaust and ventilation+Temperature/Smoke/Combustible gas detection +PACK-level submerged fire extinguishing+ Aerosol/FK-5-1-12 +Water sprinkler system
Thermal Management System	Integrated Liquid Cooler(40kW cooling capacity)+ Air-cooling for Container
EMS	Not Integrated
BMS	Integrated

Conditions

Storage Temperature (°C)	-30~60
Working Ambient Temperature (°C)	-30~45(>45 Derating)
Working Relative Humidity (%)	0~95(Non-condensing)
Working Altitude (m)	≤ 3000(>3000 Derating)

Other Parameters

Ingress Protection	IP54
Communication Interface	CAN, RS-485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Dimensions (L×W×H) mm	6058×2438×2896 (20ft Container)
Weight (t)	≈ 37

Gotion EDGE 760

Lithium-ion Battery Outdoor Cabinet for C&I



>>> 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 Integration

- 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

>>> Application Scenario

Maximum capacity of 3.8MWh (5 cabinets)



The above schematic diagram illustrates that the EDGE 760 cabinet supports parallel connections of up to five (expanding total system capacity up to 3.8MWh) to provide enhanced scalability and flexibility while ensuring robust performance and improved energy storage.

Electrical Parameters

Cell Type	LFP-300Ah
Cell Cycle Life	>8000
Rated Voltage (Vdc) of Single Cell	3.2
Pack Configuration	1P44S
Rack Configuration	1P396S
System Configuration	2P396S
System Nominal Energy (kWh)	760
System Rated Voltage (Vdc)	1267.2
System Voltage Range (Vdc)	990~1445.4
System Rated Power (kW)	380
Charge / Discharge Rate	0.5P@25° C

Components

PCS	Not Integrated
High Voltage Box	Integrated
Confluence Cabinet	Integrated
Monitoring System (HMI)	Integrated
Fire Suppression System	Temperature/Smoke detection +explosion relief panel + PACK-level submerged fire extinguishing+Aerosol +Water sprinkler system
Thermal Management System	Integrated Liquid Cooler, 12kW cooling capacity
EMS	Not Integrated
BMS	Integrated

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	5
Ingress Protection	IP55
Communication Interface	CAN, RS-485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Dimensions (L×W×H) mm	2400×1400×2500
Weight (t)	≈ 8

Gotion GRID 2703

Air Cooling Energy Storage System I



>>> Advantages of Products



Standardization

- 20ft standard container
- Modular design and optimal layout



Space Optimization

- High volumetric energy density
- Double containers connection



Superior Performance

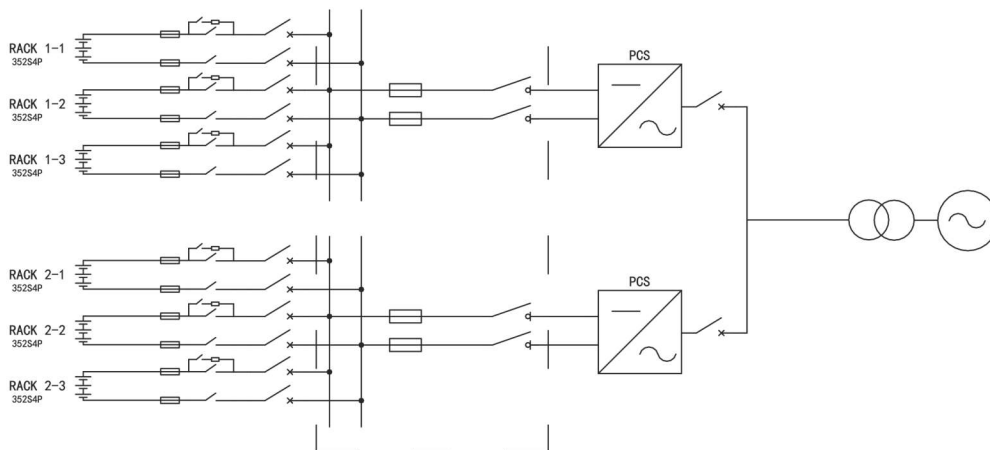
- Super long cycle life
- High conversion efficiency



Intelligent Temperature Control

- Modular management for temp uniformity
- Automatic security system+full immersion +fast response

>>> Architecture Diagram



Electrical Parameters

Cell Type	LFP-100Ah
Configuration	Pack: 4P16S Rack: 4P352S Container System: 24P352S
Cell Cycle Life	Cell: ≥ 8000 0.5P@25° C $\pm 3^{\circ}$ C
Nominal Energy (kWh)(0.5P,25° C)	Pack: 20.5 Rack: 450.6 Container System: 2703.3
Usable Energy (kWh)	Container System: 2528(0.5P@25° C)
Rated Voltage (Vdc)	Pack: 51.2 Rack/Container System: 1126.4
Voltage Range (Vdc)	Pack: 44.8-57.6 Rack/Container System: 880.0-1284.8
Max. Charge Power (kW)	1351 (0.5P)

Conditions

Storage Temperature (° C)	-30~60
Working Ambient Temperature (° C)	-30~45(>45° C Derating)
Working Relative Humidity (%)	0~95 (non-condensing)
Altitude (m)	< 3000 (≥ 3000 derating)

Other Parameters

Ingress Protection	IP54
Cooling Mode	Air-cooling
Communication Interface	CAN, RS485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Fire Suppression System	HFC-227ea (Cell-level temp monitoring +heat insulation + Multi-stage fire suppression system)
Standards & Certification	UL1973, UL9540A, UL9540, IEC62619, IEC63056, IEC62477, IEC62933, IEC60730, IEC61000, UN38.3, UN3536, NFPA855 Compliant
Dimensions (W×D×H) mm	6058×2438×2896 (20ft Container)
Weight (t)	≈ 32

Gotion EDGE

ESD704-05P633 | ESC-R100-211-CE



>>> Advantages of Products



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



Modular Design

- Scalable design, customized design
- High space utilization



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

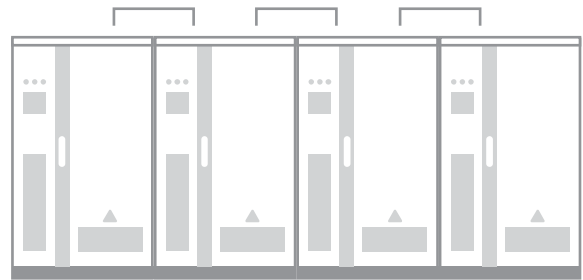


Safe, Environmentally Friendly and Highly Adaptable

- Suitable for PV & Diesel microgrids
- Automatic switching between on-grid and off-grid operation

On-grid Max. parallel number: 20

Off-grid Max. parallel number: 4



* Support 4 Sets for Parallel Connection

The industrial and commercial storage products feature a modular system design, available in economic and standard models. The economic models are compact with high energy density, while the standard models offer excellent energy and power adaptability with flexible configuration options. These products facilitate peak shifting, staggered power consumption, and help alleviate grid pressure.

Model	ESD704-05P633	ESC-R100-211-CE
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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	3P220S	1P220S
System Nominal Energy (kWh)	633	211
System Rated Voltage (Vdc)	704	
System Voltage Range (Vdc)	616-792	600-803
System Output Voltage (Vac)	400@50Hz/60Hz	400@50Hz/60Hz±2.5Hz
System Rated Power (kW)	400	100
Charge / Discharge Rate	charge 0.5P/discharge 0.67P@25° C	0.5P@25° C

Components

PCS	Integrated	
High Voltage Box	Integrated in Control Box	
Confluence Cabinet		
Monitoring System (HMI)	Integrated	
Fire Suppression System	Temperature/Smoke detection + PACK-level submerged fire extinguishing+Aerosol +Water sprinkler system	Temperature/Smoke detection +gas concentration detection +explosion relief panel +Aerosol
Thermal Management System	Integrated Liquid Cooler, 12kW cooling capacity	Integrated Liquid Cooler(5kW cooling capacity)+ Air-cooling for PCS
EMS	Integrated	
BMS	Integrated	

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	4	20(grid-connected) 4(off-grid)
Ingress Protection	IP55	
Communication Interface	CAN, RS-485, Ethernet	4G*, RS-485, Ethernet(reserve)
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, MQTT	Modbus RTU/MQTT
Dimensions (L×W×H) mm	2991×2438×2896	1340×1300×2260
Weight (t)	≈ 12	≈ 2.6

* Support for Extended Integration

Gotion HOME 5/10/15/20KWh

Lithium-ion Battery Residential ESS



>>> Products Superiority



- Stable and Secure LFP Battery
- Cell/Module/System Triple Protections



- Modular Design
- Extendable Application

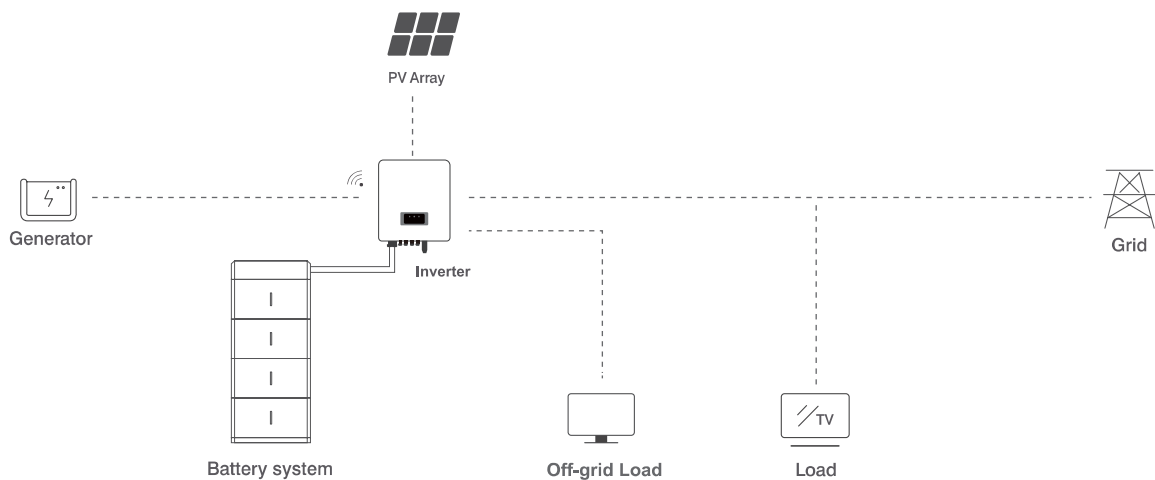


- Easy to Handle, 30mins Quick Install
- Ground Stand or Wall Mounted



- IP65, Household Friendly
- Covers An Area of 0.16m²

>>> Application Scenario Diagram



Model	HSD51.2-02C05L	HSD51.2-02C10L	HSD51.2-02C15L	HSD51.2-02C20L
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Electrical Parameters

Quantity of Packs	1	2	3	4
Rated Voltage (Vdc)	51.2			
Voltage Range (Vdc)	43.2-56.8			
Nominal Energy (kWh)	5	10	15	20
Usable Energy (kWh)	4.8	9.8	14.7	19.6
Max. Output Power (kW)	2.5	5	5	5

Conditions

Working Environment Temp (°C)	-20~45			
Working Temp (°C)	Charge:0~53 Discharge: -20~58			
Working Humidity Range (%)	5~95 (non-condensing)			
Altitude (m)	<3000 (≥3000 derating)			
Installation Environment	Indoor/Outdoor			

Other Parameters

Max. Parallel Sets	16	8	5	4
Communication Interface	CAN, RS-485			
Certification	IEC62619, IEC60730, IEC63056, UL9540, UL9540A, UL1973, UL60730, UN38.3, EMC			
Ingress Protection	IP65			
Dimension (W×D×H)mm	705×239×528	705×239×846	705×239×1164	705×239×1482
Weight (kg)	67	120	170	220

* Test conditions (usable energy): 100% depth of discharge (DoD), 0.2P rate charge & discharge at 25°C

* Charge/discharge derating occurs when the operating temperature below 5°C or over 45°C

Battery Cells

LFP Energy Storage Cell



• IFP20100140A-30Ah



• IFP27175200A-100Ah



• IFP50160116A-102Ah

Model

IFP20100140A-30Ah

IFP27175200A-100Ah

IFP50160116A-102Ah

Electrical Parameters

	IFP20100140A-30Ah	IFP27175200A-100Ah	IFP50160116A-102Ah
Cell Type	LFP-30Ah	LFP-100Ah	LFP-102Ah
Rated Voltage (V)		3.2	
Working Voltage (V)		2.0~3.65(T > 0°C)	
Cycle Life	>3000	>8000	>6000
Charge/Discharge Rate	1P@25°C	0.5P@25°C	0.5P@25°C
DCR (mΩ)	≤ 3	≤ 1.5	≤ 1.5
ACR (mΩ)	0.6~1.2	0.4~0.6	0.27~0.4
Weight Energy Density (Wh/Kg)	≥ 166	≥ 155	≥ 168

Conditions

Storage Temp (°C)		-30~60	
Optimum Working Temp (°C)		10~35	
Charge Temp Range (°C)		0~55	
Discharge Temp Range (°C)		-30~60	

Other Parameters

Certification	UL1973, UL9540A, UN38.3	UL1973, UL9540A, UN38.3, GB/T 36276	UL1973, UL9540A, UL1642, UN38.3, IEC62619, RoHS2.0, MSDS
Dimension (T×W×H) mm	21.2×100×144	27.2×175.4×206.1	49.9×160×118.5
Weight (g)	615±18	2022±60	1970±30

Battery Cells

LFP Energy Storage Cell



• IFP81175200-300Ah



• IFP72175207-314Ah



• IFP81175200-330Ah

Model

IFP81175200-300Ah

IFP72175207-314Ah

IFP81175200-330Ah

Electrical Parameters

Cell Type	LFP-300Ah	LFP-314Ah	LFP-330Ah
Rated Voltage (V)		3.2	
Working Voltage (V)		2.5~3.65 (T > 0°C)	
Cycle Life	>8000	>12000	>12000
Charge/Discharge Rate	0.5P@25°C	0.5P@25°C	0.5P@25°C
DCR (mΩ)	≤ 0.5	0.3~0.5	0.3~0.5
ACR (mΩ)	0.1~0.3	0.15~0.3	0.1~0.3
Weight Energy Density (Wh/Kg)	≥ 160	≥ 178	≥ 170

Conditions

Storage Temp (°C)	-30~60
Optimum Working Temp (°C)	15~35
Charge Temp Range (°C)	0~55
Discharge Temp Range (°C)	-30~60

Other Parameters

Certification	UL1973, UL9540A, UN38.3, GB/T 36276, IEC62619		
Dimension (T×W×H) mm	81.0×175.4×202.5	71.95×174.8×207.1	81.0×175.4×202.5
Weight (g)	5998±300	5630±200	6140±300

Standard Pack

LFP Battery Storage Module



• EPD51-05P20



• EPD140-05P42



• EPD332-05P104



• EPD320-05P105

Model	EPD51-05P20	EPD140-05P42	EPD332-05P104	EPD320-05P105
Electrical Parameters				
Cell Type	LFP-100Ah	LFP-300Ah	LFP-314Ah	LFP-330Ah
Configuration	4P16S	1P44S	1P104S	1P100S
Rated Voltage (Vdc)	51.2	140.8	332.8	320
Voltage Range (Vdc)	40.0~58.4	110.0~160.6	260.0~379.6	250.0~365.0
Nominal Energy (kWh)	20.48	42.24	104.49	105.60
Charge/Discharge Rate	≤0.5P@25°C			
Conditions				
Charge Working Temp Range (°C)	0~55			
Discharge Working Temp Range (°C)	-30~60			
Optimum Working Temp (°C)	15~35			
Operating Humidity Range (%)	≤95			
Installation Environment	Indoor			
Other Parameters				
Communication Interface	CAN			
Certification	UL1973, UL9540A, UN38.3, GB/T 36276			
Ingress Protection	/		IP67	
Dimension(W×D×H)mm	390×975×245	787×1085×235	2170×785×243	2350×785×240
Weight (kg)	160±5	313±5	720±5	705±5

GRID-R

LFP Battery Rack



• ERD1267-05P380
(Liquid Cooling)



• ERD1331-05P418
(Liquid Cooling)

>>> Advantages of Products



High Reliability and Safety



Multi-level BMS Structure



Soft Start Function



1500V DC System



Easy Installation and Maintenance



Smart Insulation Monitoring

*The image illustrates two electrical racks physically mounted together to fit into the container, and one electrical rack comprises four battery packs connected in series.

Model	ERD1267-05P380	ERD1331-05P418
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Electrical Parameters

Cell Type	LFP-300Ah	LFP-314Ah
Pack Configuration	1P44S	1P104S
Rack Configuration	1P396S	1P416S
System Nominal Energy (kWh)	380.1	417.99
System Rated Voltage (Vdc)	1267.2	1331.2
System Voltage Range (Vdc)	990.0-1445.4	1040-1497.6
Maximum Charge / Discharge Rate	0.5P@25° C	

Conditions

Optimum working Temperature (° C)	15~35	
Working Relative Humidity (%)	0~95(Non-condensing)	

Other Parameters

Cooling Mode	Liquid-cooling	
Communication Interface	CAN	
Dimensions (L×W×H)mm	896×1065×2385	978×1050×2188
Weight (kg)	3110±80	3000±100

Standards & Certification

Chinese Standards&Certification	GB/T 36276	
UL	UL1973 UL9540A	
IEC	IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 63056, IEC 62619, IEC 60730-1	IEC 62619, IEC 63056

Smart Mobile Charger



>>> Product Advantages



Innovation and Revolution

- From "car-to-charger" to "charger-to-car"
- Unrestricted by time, space and specific sites



Flexibility and Intelligence

- Flexible deployment
- Remote operation and management



Safety and Fast Charging

- Stable operation and proactive protection
- One-click ordering, seamless charging
- High-rate & high-power charging



Energy Storage and Cost-Effectiveness

- Peak-shaving and valley-filling with small-scale "energy storage stations"
- Free from grid and site reconstruction

>>> Application Scenarios



Airport



Railway Station



Expressway Service Area



Business Park



Pay Parking



Logistics Park



Residential District



Public Parking

Parameter		
Maximum Power (kWh)	184.32	
Battery Capacity (Ah)	300	
AC Input	Input Voltage Range (Vac)	260-530
	Maximum Input Current (A)	43
	Input Connection Method	3P+N+PE
DC Output	Output Voltage Range (Vdc)	300-1000
	Maximum Output Current (A)	150
	Maximum Output Power (kW)	60
	Efficiency	92%
DC Input	Input Voltage Range (Vdc)	260-900
	Maximum Input Current (A)	150
	Maximum Input Power (kW)	60
Ambient Temperature Range (° C)	-30-50	
Ingress Protection	IP54	
Communication Interface	Wireless Communication	
Communication Agreements with Vehicles	DIN SPEC 70122:2008	
Software Configuration	The charging protocol is self-applicable and expandable	
Charging Method	Swipe card/Touch screen/Scan the QR code	
Charging Connector	CCS1, CCS2	
Maximum Speed (Km/h)	5	
Maximum Gradient	8% with full load	
Maximum Obstacle-crossing Height	70mm speed bump	
Dimensions (L×W×H)(mm)	2100×1054×1400	
Weight (kg)	2150	

Gendome

Smart Portable Power Station



Web: www.gendome.com



Model	Home 3000	GO 300	Micro 30
Product Name	Home 3000 Portable Power Station	Go 300 Portable Power Station	Micro 30 Power Bank
Capacity	3072Wh (51.2v, 30Ah)	288Wh (19.2V, 15Ah)	15000mAh (48Wh)
AC Output	3000W Total, 6000W Surge	300W Total, 600W Surge	22.5W Max
Cell Chemistry	EV-Proven LiFePO4	EV-Proven LiFePO4	EV-Proven LiFePO4
AC Charge	Max 1800W, 120V, 15A (US)	Type C Charging 140W	/
Solar Charge	Max 1500W, 12-75V	Max 200W 12-30V/10A	/
DC Port	Type-C (PD3.1), USB-A, RV, DC5521	Type-C×2 (PD3.1), USB-A×2(18W)	Type-C Input:5V/3A 9V/2A Type-C Output: 5V/3A 9V/2A 12V/1.67A USB-A Output: 5V/3A 5V/4.5A 12V/1.5A
Dimensions (L×W×H)	560×230×543mm/22.0×9.1×21.4in	210×200×158mm/8.26×7.87×6.22in	47×50×156mm/1.8×1.96×6.1in
Net Weight	83.8lbs/38kg	7.7lbs/3.5kg	1.05lbs/0.48kg
Wireless Charging	2×15W	1×15W	Magnetic Charging
Amazon Alexa/ Google Nest	Support	Support	NO



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Gendome Solar 200

Power Everthing Connect Everywhere

Control Comes Easy

Now with Gendome App, you can monitor and adjust your electricity in real-time, set scheduled recharging to help you save energy bills, or even make Gendome part of your smart home setup, wherever you like.



Download APP

works with the Google Assistant

amazon alexa



Model	Solar 200	Solar 36
Product Name	Solar 200 Solar Panel	Solar 36 Solar Panel
Connector Type	DC2050 to MC4	Type C / USB-A
Included Components	1x 200W Solar Panel, MC4 Solar Charging Cable	1x 36W Solar Charger, 1x USB-A to USB-C Cable, 2x Carabiner
Color	GREY	GREY
Mounting Type	Portable and Folding	Portable and Folding
Solar Cell	High Efficiency Silicon (Sunpower)	High Efficiency Silicon (Sunpower)
Transformation efficiency (EFF)	≥ 23%	≥ 23%
Max Power	200W	36W
Water-Resistant	IP68	IP68
Ports	DC2050 to MC4	PD3.0 5V 3A/9V 3A/12V 3A(MAX)
Certifications	FCC/CE/RoHS/IP68	FCC/CE/RoHS/IP68
Dimension (unfolded)	1249×450×50mm/49.2×59.7×1.0in	846×280×12.5mm/33.3×11×0.49in
Dimension (folded)	330×430×50mm/13.0×16.9×2.0in	198×280×30.5mm /7.8×11×1.2in
Net Weight	9.55lbs/4.33kg	1.8lbs/0.67kg

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Project Cases



U.S. Storage Project



Netherlands EPC Company Project



PJM FM Project in the U.S.



Europe Storage Project



◎ Shenzhen Nanshan Power Plant
Frequency Modulation Project



◎ Datang Longgan Lake Energy Storage
Power Station Project



◎ Anhui Jinzhai Independent Energy
Storage Power Station Project



◎ Shangneng Zhangjiakou Solar
Energy Storage Project



○ Tibet Light Storage Comprehensive Energy Project



○ Dubai Light Diesel Storage Microgrid Project



○ Huaneng Wind Energy Storage Frequency Modulation Project



○ State Grid Zhenjiang Changwang Energy Storage Project



○ Shenzhen Nanshan Power Plant
Frequency Modulation Project



○ Huaibei Wanneng Energy Storage
Power Station Project



○ Kunshan Industrial Park Energy
Storage Project



○ Zhangjiagang Yonglian Steel Plant
Energy Storage Power Station Project

Responsibility 2023 Performance



Gotion High-tech Won the "2023 Five-Star Gold Award " for Social Responsibility of Listed Companies in China's Manufacturing Industry



9,658

hours of various types of training were organized



Number of Training Participants

82,100



"Five-star" Service Certificate

by the China Quality Certification Center (CQC) with a Score of 98.5

The World's

First

Zero-carbon Cathode Material Base



Occupational Health and Safety System Certificate
ISO14001
ISO45001



Greenhouse Gas Verification Statement Customer Satisfaction

ISO14064



PV power generation

49,650,000 kWh

Greenhouse gas emission reduction

35976.67 Tons of carbon dioxide equivalent



Energy-saving and Consumption-reducing Projects

123

Saving

95,620,000 Tons of Carbon Emissions



Number of training sessions YoY growth rate

44.7%

Training hours YoY growth rate

107%

Total instances YoY growth rate

74.8%

Data as of Dec. 2023.



After-sales Services ★★★★★

//// //// //// //// //// Five-star Aftersales Certification(CQC)

Service Mission



- Customer-Oriented
- Professional & Efficient
- Considerate & Responsible

Fast Service



- Respond within 2-6 Hours after the Fault
- Deliver Solutions within 4-8 Hours after the Fault
- Arrive On-site and Solve the Problems within 48-72 Hours after the Fault

Global Service Center



80+ Regional Specialists

300+ Regional Professional Service Providers

600+ Professional Service Stations

Global Accessory System



Timely Delivery

80+ Spare Parts Wehouses

6 Overseas Sub-warehouses (coming soon in 2024)

ESS Business Cooperation Partners



Model		ESD1280-05P5068	ESD1331-05P5015	ESD1267-05P3421	ESD1267-05P760-G	ESD704-05P633	ESC-R100-211-CE	
Electrical Parameters	Cell Type	LFP-330Ah	LFP-314Ah	LFP-300Ah				
	Rated Voltage (Vdc) of Single Cell	3.2						
	Pack Configuration	1P100S	1P104S	1P44S	1P44S	1P44S	1P44S	
	Rack Configuration	1P400S	1P416S	1P396S	1P396S	1P220S	1P220S	
	System Configuration	12P400S	12P416S	9P396S	2P396S	3P220S	1P220S	
	System Cycle Life	> 12000		> 8000				
	System Nominal Energy (kWh)	5068	5015	3421	760	633	211	
	System Rated Voltage (Vdc)	1280	1331.2	1267.2	1267.2	704	704	
	System Voltage Range (Vdc)	1000-1460	1040-1497.6	990-1445.4	990-1445.4	616-792	600-803	
	System Output Voltage (Vac)	/	/	/	/	400@50Hz/60Hz	400@50Hz/60Hz±2.5Hz	
	System Rated Power (kW)	2534	2507.5	1710.5	380	400	100	
Charge / Discharge Rate	≤ 0.5P@25° C				charge 0.5P/discharge 0.67P@25° C		0.5P@25° C	
Component	PCS	Not Integrated				Integrated		
	High Voltage Box	Integrated					Integrated in Control Box	
	Confluence Cabinet	Integrated					Integrated in Control Box	
	Monitoring System (HMI)	Integrated						
	Fire Suppression System	Explosion-proof exhaust and ventilation+Temperature/Smoke /Combustible gas detection +PACK-level submerged fire extinguishing+ Aerosol /FK-5-1-12 +Water sprinkler system			Temperature/Smoke detection +explosion relief panel + PACK-level submerged fire extinguishing+Aerosol +Water sprinkler system	Temperature/Smoke detection + PACK-level submerged fire extinguishing+Aerosol +Water sprinkler system	Temperature/Smoke detection +gas concentration detection +explosion relief panel +Aerosol	
	Thermal Management System	Integrated Liquid Cooler (60kW cooling capacity) + Air-cooling for Container		Integrated Liquid Cooler (40kW cooling capacity) + Air-cooling for Container	Integrated Liquid Cooler, 12kW cooling capacity		Integrated Liquid Cooler (5kW cooling capacity) + Air-cooling for PCS	
	EMS	Not Integrated				Integrated		
	BMS	Integrated						
Conditions	Storage Temperature (° C)	-30-60						
	Working Ambient Temperature (° C)	-30-45(>45 Derating)			-20-45(>45 Derating)			
	Working Relative Humidity (%)	0-95(Non-condensing)						
	Working Altitude (m)	≤ 3000(>3000 Derating)			≤ 2000(>2000 Derating)			
Other Parameters	Max. Parallel Sets	/		5		4	20 (grid-connected), 4 (off-grid)	
	Ingress Protection	IP55 (except liquid cooler)		IP54		IP55		
	Communication Interface	CAN, RS-485, Ethernet					4G*, RS-485, Ethernet (reserve)	
	Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104				CAN, Modbus-TCP/IP, Modbus RTU, MQTT		Modbus RTU/MQTT
	Dimensions (L×W×H) mm	6058×2438×2896 (20ft Container)			2400×1400×2500		2991×2438×2896	1340×1300×2260
	Weight (t)	≈ 44	≈ 43	≈ 37	≈ 8	≈ 12	≈ 2.6	
Standards & Certification	Chinese Standards & Certification	GB/T 36276				/		GB/T 36276
	UL	UL9540A	UL1973, UL9540A, UL9540, ROHS, Reach, (EU) 2023/1542	UL1973UL9540A, UL9540	UL1973, UL9540A, UL9540, UL9540		/	/
	IEC	IEC 62477-1, IEC 60529, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 63056, IEC 62619		IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 63056, IEC 62619, IEC 60730-1	IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 63056, IEC 62619, IEC 60730-1		/	IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 63056, IEC 62619, IEC 60730-1
	Transportation	UN38.3, UN3536, UN3480			UN38.3, UN3480		UN38.3, UN3536	UN38.3, UN3480

* Support for Extended Integration