GENIX ENERGY GREEN LIVING

2026.09

GENIXGREEN®

ENERGY
STORAGE

Residential, Commercial & Industrial Energy Storage Solution



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SYSTEM SOLUTION LEADER

SYSTEM SOLUTION LEADER



GENIX ENERGY GREEN LIVING

Internationalization

Technologization

Intelligentization

Localization

ABOUT US

GENIXGREEN, a flagship brand under ZWAYN New Energy Company, is a global leader in energy storage solutions dedicated to delivering cutting-edge technology and sustainable power for a greener world.

Since its establishment in 2011, GENIXGREEN has embodied the spirit of continuous innovation, rapidly evolving into a technology-driven high-tech enterprise specializing in the R&D, design, production, and sales of energy storage systems. With a strong presence in over 100 countries across Europe, the Americas, Africa, Southeast Asia, and the Middle East, GENIXGREEN provides reliable and efficient energy storage products tailored to diverse market needs. Supported by strategically located overseas warehouses in Europe, Africa, and the Americas, we ensure fast and efficient logistics to meet global demand.

As of December 2025, GENIXGREEN has achieved a cumulative installed capacity of 12GWh worldwide, demonstrating our proven performance and commitment to advancing clean energy solutions. From residential to commercial and industrial applications, our innovative technologies empower businesses and communities to embrace renewable energy with confidence.

BRAND CONCEPT

Vision:

Committed to being the vanguard of global green energy.

Mission:

Provide safe, reliable, and intelligent energy storage systems.

Values:

Customer-first, innovation-driven, open and inclusive, pursuit of excellence.

DEVELOPMENT HISTORY

100+
R&D Engineers

100+
Countries and regions

600+
Employees

100+
Certifications

19+
Industry experience

Witnessing 15 years, the footsteps of exploration keep moving forward

2011
Company Establishment

2013
Establish GENIXGREEN brand

2015
Two factories in Shajing have been completed and put into operation

2017
Dongguan company was established

2020
Changping Production base

2022
Awarded the National High tech Enterprise Certification, Specialized and Innovative Engineering Technology Research Center for Small and Medium sized Enterprises

2023
New factory completed for Dongguan listed reserve enterprise

2024
Recognized as Dongguan's "Double Growth" Enterprise Listed as a Reserve Enterprise for IPO

2025
AEO Accredited Enterprise Recognized as National "Little Giant" Enterprise

2026

GLOBAL MARKETING SERVICE LAYOUT



Dongguan factory as the core of R&D and production, with radiation coverage in more than 100 countries, including the Netherlands, Panama, South Africa, Zambia, Tanzania, Ghana, UAE(Dubai), and other countries stationed in 20+ overseas warehouses, to quickly meet customer demand!

Overseas Warehouse Area

Panama	Mali	Madagascar	Iraq
South Africa	Germany	Nigeria	Thailand
Lebanon	Poland	Cote d'Ivoire	Zambia
Vietnam	Netherlands	UAE(Dubai)	...

2h Quick Response

12h Solution Delivery

24h On-site Support

COMPANY MEDAL







100+ International standards battery certificates

100+ R&D design innovation patents and International factory quality certificates

GENIXGREEN SMART CORE

6 CORE TECHNOLOGY

01

Safety

Adopting industry-leading nanosafety coating battery cells, reducing the reactivity of materials and electrolytes, and improving the thermodynamic stability of battery cells.

02

Stability

Relying on BMS monitoring to comprehensively improvesystem safety and stability.

03

Intelligence

An intelligent management system can monitor the working status and data of battery cells in real-time, making battery management more intelligent.

04

Cloud data

The industry-leading AIoT battery management system combines artificial intelligence with technology to improve product performance.

05

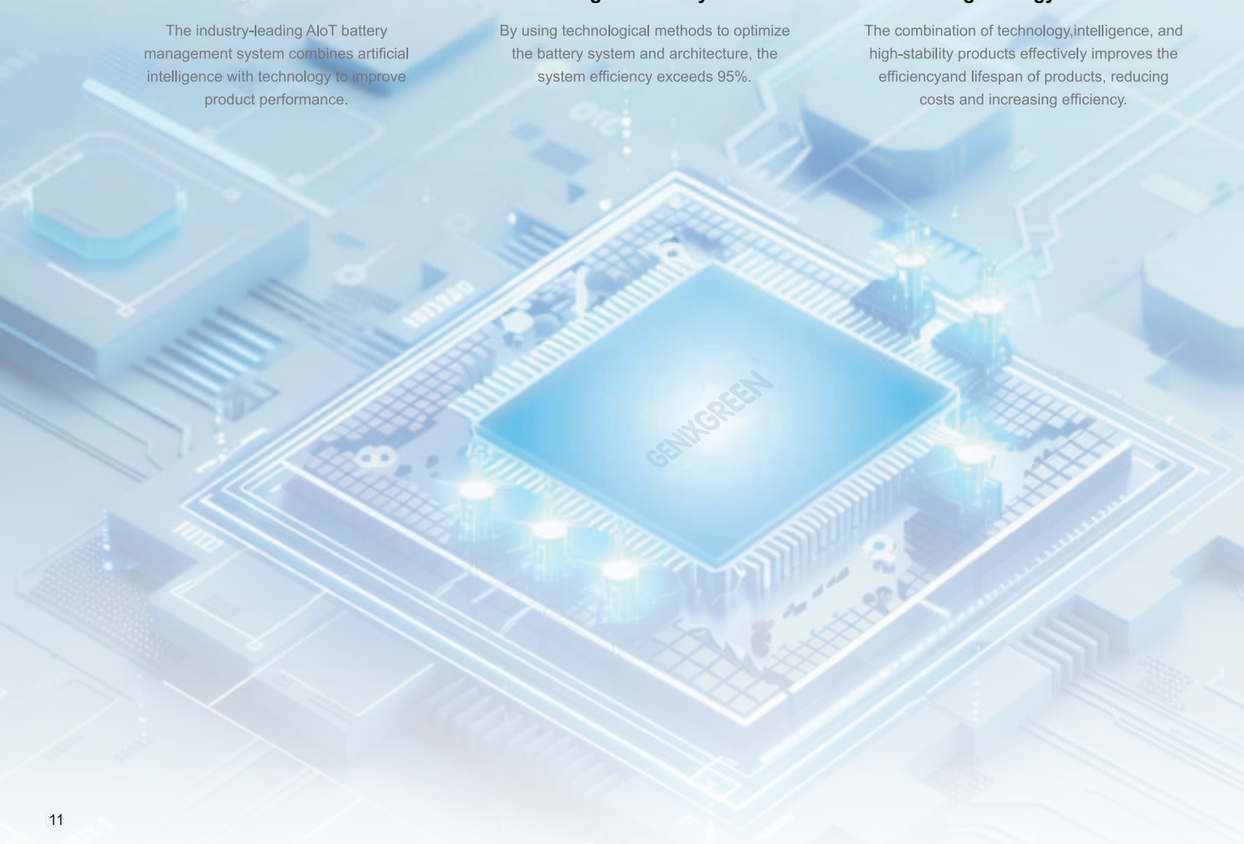
High efficiency

By using technological methods to optimize the battery system and architecture, the system efficiency exceeds 95%.

06

High energy ratio

The combination of technology,intelligence, and high-stability products effectively improves the efficiencyand lifespan of products, reducing costs and increasing efficiency.



Redefining Standards for Residential & High-Voltage BMS, the AI-Powered Expert in Safer, Smarter and Durable Energy Management.

Technology Leadership

Fully Self-Developed AI BMS Chip,
Precision Control for Every Watt

10-Year Warranty



Safety & Reliability

Validated by **200+** Rigorous Tests,
Backed by 10-Year Warranty



Intelligence & Efficiency

Cloud + Edge Computing Dual
Engine, **30%** Efficiency Boost

Market Differentiation

- Innovative High-Voltage Fast-Charging BMS Technology, 50% Longer Cycle Life at 1500V Platform
- Customized Residential BMS Expert, Compatible with Global Energy Storage Systems

GENIXGREEN SMART CORE

Household energy storage product

1.1 BMS features highlight 1

High-level safety.

- Our product can withstand an external short-circuit current of up to 1400A.
- Our product can withstand multiple external short circuits and ensure safety.
- It can distinguish instantaneous current surges and provide short-circuit protection. Avoid unnecessary frequent protection.

1.2 BMS features highlight 2

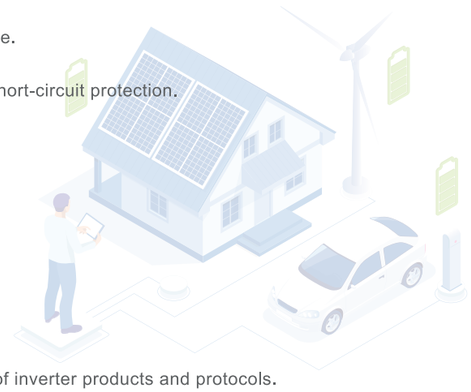
Support up to 100,000uf pre-charge capacitor

- High pre-charge capability can minimum BMS damage.
- It can also solve the fault short circuit protection.
- It can distinguish instantaneous current impact and short-circuit protection. Avoid unnecessary frequent protection.

1.3 BMS features highlight 3

Better heat tolerate (Lower temperature rise)

- Choose MOS devices with better performance.



1.4 BMS features highlight 4

High compatibility.

- Automatically identify and adapt to the vast majority of inverter products and protocols.
- Multiple protocol selection modes: screen selection, upper computer, dip code,and APP.

1.5 BMS features highlight 5-IOT services

Rich and powerful IOT services

- Remote monitoring, remote OTA upgrade.
- Remote capture of communication data between BMS and inverter.
- Cloud platform, and data analysis.
- Powerful app.

C&I energy storage product

2.1 HV BMS features highlight 1

- Automotive-grade electronic components, NFE acquisition using imported chips, stable and reliable hardware

2.2 HV BMS features highlight 2

Smart Cloud BMS System
— Scalable, High-Voltage Precision Control

- Support multi-packet parallel automatic networking.
- A single cluster supports 25 slave machines and can manage a maximum of 25*400 strings of batteries.
- Supports a maximum voltage platform of 1500V, with an insulation withstand voltage rating of 5000V.
- Cloud-based all-time balancing technology, the full life cycle of individual imbalance is less than 20mV.
- Dual management of cooling and heating to ensure the working temperature range.

2.3 HV BMS features highlight 3

Smart Cloud BMS System
— Scalable, High-Voltage Precision Control

- AI self-learning security algorithm, active early warning of potential risks.
- Neural network model + multi-factor correction leads to higher SOC estimation accuracy.
- Hardware pre-charging circuit + software circulating current algorithm to effectively manage circulating current problems.
- Rich epitaxial interfaces, and interlocking control of PCS and EMS.
- BMS intelligent hardware + cloud platform +APP overall solution.

2.4 HV BMS features highlight 4

- The battery data was transmitted to the cloud platform through the BMS, and the battery status was presented based on the data.
- The multi-dimensional data analysis chart was provided, which could intuitively reflect the running status of single and batch batteries.
- Battery monitoring is also equipped with APP and applet versions, which can understand the battery status at any time and anywhere.

2.5 HV BMS features highlight 5

- After the BMS adds the data transmission function, it supports the online seamless OTA function, which is very convenient for subsequent on-site application matching or policy optimization.
- A strict permission management mechanism ensures security.
- At present, the OTA technology of Youdan has been widely commercialized and applied for more than four years, with a total of nearly 100,000 OTA executions.

2.6 HV BMS features highlight 6

- The data-based remote balancing algorithm can precisely calculate the capacity differences among various battery cells on the platform server, thereby identifying the cells that need balancing and estimating the balancing time.
- The cloud then issues the balancing instructions to the terminal for execution, supporting 2A full-time balancing, which greatly improves the balancing efficiency, ensures the consistency of battery cells, and ultimately increases the vehicle's driving range.

2.7 HV BMS features highlight 7

- The platform has deployed over thirty monitoring software programs, including data collection, statistics and monitoring, estimation of abnormal data changes, individual/group differences in temperature fields, abnormal changes in pressure differences, and deterioration of insulation characteristics (continuously enriched).
- It analyzes the data uploaded by batteries to the platform in real time and matches features from different dimensions to enhance the application safety of battery packs.



Applicable scenarios

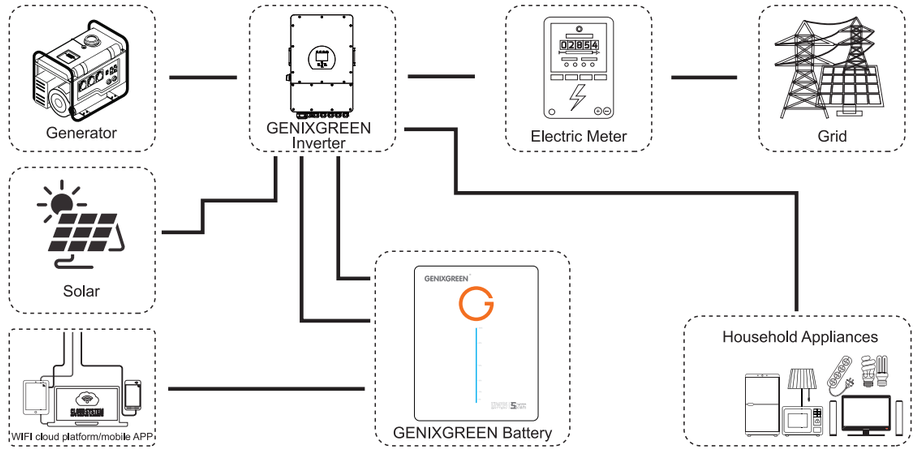
Suitable for various types of photovoltaic storage projects, with a system power of less than 5-10kW per unit and a high photovoltaic utilization rate.

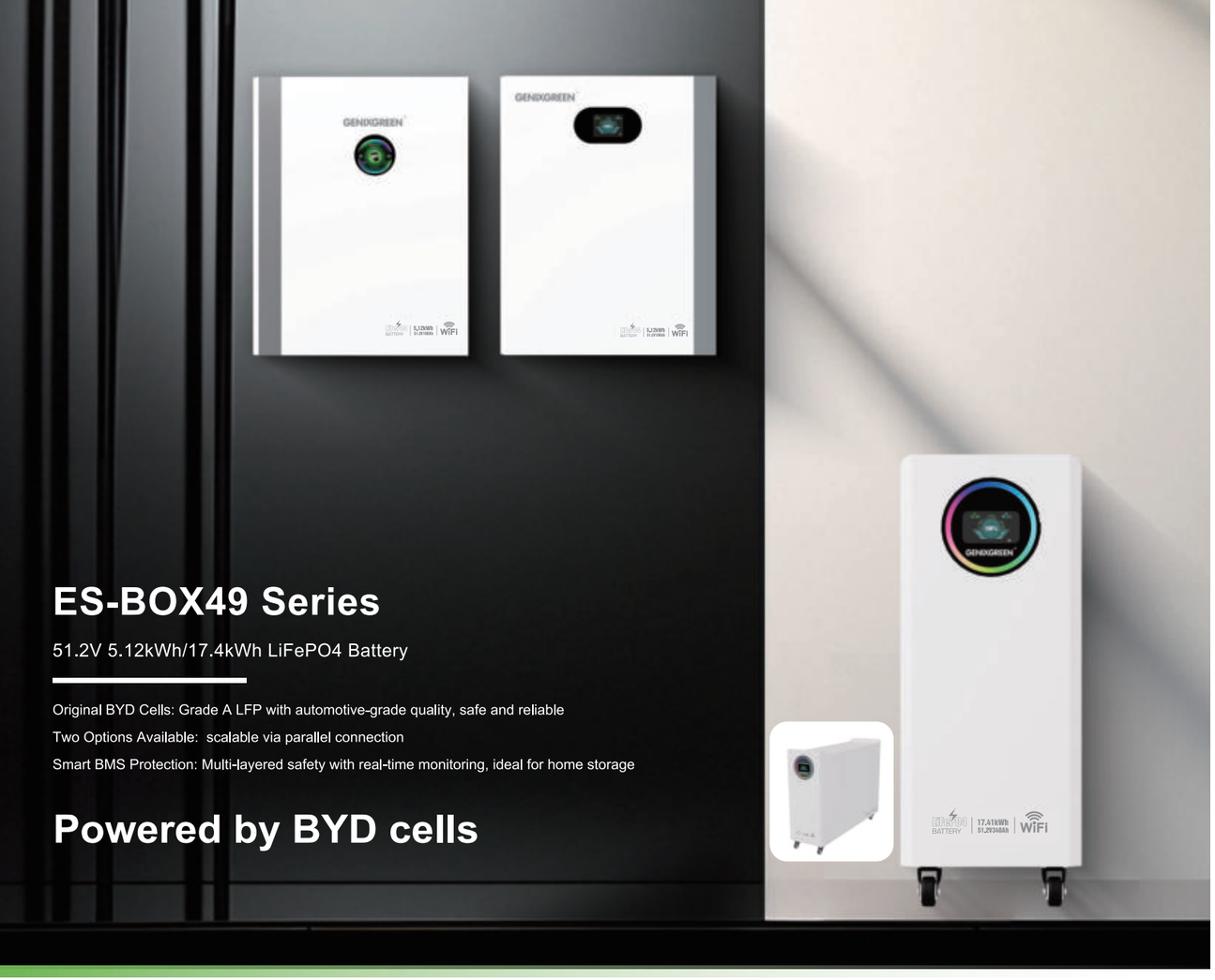
RESIDENTIAL PROJECT PLAN

Characteristics

Flexible Expansion: Supports up to MAX.64 parallel devices for use;
Long cycle and high lifespan: Lithium iron phosphate (LFP)>8000 cycles (90% DOD);
Easy installation: Floor standing or wall mounted;
Quick debugging Compatibility: Supports compatibility with mainstream inverter brands in the market.

LOW VOLTAGE LITHIUM BATTERY WORKING DIAGRAM





ES-BOX49 Series

51.2V 5.12kWh/17.4kWh LiFePO4 Battery

Original BYD Cells: Grade A LFP with automotive-grade quality, safe and reliable

Two Options Available: scalable via parallel connection

Smart BMS Protection: Multi-layered safety with real-time monitoring, ideal for home storage

Powered by BYD cells

Product Features:

Flexible installation, saving time and effort

1C/1C continuous charge and discharge

10 years warranty

Superior LiFePO4 safety performance

Low voltage safety connection

Max. 64 modules parallel

Product Specification

Product Model	ES-BOX49	ES-BOX49 MAX
Rated Energy	5.12kWh	17.41kWh
Nominal Voltage	51.2V	
Nominal Capacity	100Ah	340Ah
Cell Type	LFP	
Standard Charge Voltage	56.8V	
Max. Discharge Current	100A	200A
Discharge Cut-off Voltage	44.8V	
Parallel Function	Parallels：Max.16, Max.33, Max.64 (Optional)	
Communication Interface	USB, RS485, CAN	
Cycle Life	≥8000 Cycles (25°C±2°C, 0.5C, 90%DOD@65%EOL)	≥10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)
Charge Temperature Range	0~55°C	
Discharge Temperature Range	-20~55°C	
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL 1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3	
Dimension	620*480*180mm(Excluding bracket)	1000*680*300mm(Caster)
Net Weight	≈52Kg	≈145Kg
Installation Method	Wall Mounted	Floor Standing
Display	Circular touch screen/3.2" LCD Touch Screen	4.3" LCD Touch Screen
Warranty(optional)	10 years warranty,15 years design life	
Energy Throughput[1]	22MWh	76MWh
Optional	WiFi (Built-in WiFi antenna), Bluetooth, Fire Suppression module, Circuit Breaker (Built-in WiFi antenna)	

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Note:



Product Introduction

ES-BOX12/BOX12F Series battery features 5.12/10.24/14.34/16.08kWh high-capacity design with doubled energy density. Premium LiFePO4 cells ensure safety and longevity, ideal for residential and commercial applications.

Product Features:

Flexible installation saving time and effort

1C/1C continuous charge and discharge

10 years standard warranty

IP65 Protection
Fearless of outdoor installation, strong environmental adaptability

Max. 64 modules parallel

Battery Equalization
Supports for mixing modules under different SOC to ensure battery life

All-round Safety
Short-circuit lockout, surge-resistant, safe, and reliable

Automatic Self-heating
-20℃ to 55℃ operating temperature(optional)

Product Specification

Product Model	ES-BOX12F	ES-BOX12F PLUS	ES-BOX12F MAX	ES-BOX12F MAX+
Rated Energy	5.12kWh	10.24kWh	14.34kWh	16.08kWh
Nominal Voltage	51.2V			
Nominal Capacity	100Ah	200Ah	280Ah	314Ah
Cell Type	LFP			
Standard Charge Voltage	56.8V			
Max.Charge/Discharge Current	100A	150A	200A	200A
Discharge Cut-Off Voltage	44.8V			
Parallel Function	Parallels：Max.16, Max.33, Max.64 (Optional)			
Communication Interface	RS485/RS232/CAN			
Cycle Life	>8000 Cycles(25°C±2°C，0.5C，90%DOD@65%EOL)		≥10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)	
Charge Temperature Range	0~55°C			
Discharge Temperature Range	-20~55°C			
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3			
Dimension	480*600*180mm (Excluding Wall-Mounted Brackets)	480*650*245mm (Excluding Wall-Mounted Brackets)	490*840*250mm (Excluding Wheels)	490*840*250mm (Excluding Wheels)
Net Weight	52Kg	98Kg	126Kg	128Kg
Installation Method	Wall-Mounted/Floor Standing			
Warranty(optional)	10 years warranty, 15 years design life			
Energy Throughput [1]	22MWh	44MWh	62MWh	70MWh
Display	LED Display			
Include	Circuit Breaker			
Optional	Automatic Heating,Fire Extinguishing Module,WiFi Remote Monitoring,Bluetooth			
Protection Grade	IP20 / IP65(Optional)			

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Note:



Product Introduction

ES-BOX12F Series battery features 5.12/10.24/14.34/16.08kWh high-capacity design with doubled energy density. Premium LiFePO4 cells ensure safety and longevity, ideal for residential and commercial applications.

Product Features:

Flexible installation saving time and effort

1C/1C continuous charge and discharge

10 years standard warranty

IP65 Protection
Fearless of outdoor installation, strong environmental adaptability

Max. 64 modules parallel

Battery Equalization
Supports for mixing modules under different SOC to ensure battery life

All-round Safety
Short-circuit lockout, surge-resistant, safe, and reliable

Automatic Self-heating
-20℃ to 55℃ operating temperature(optional)

Product Specification

Product Model	ES-BOX12F	ES-BOX12F PLUS	ES-BOX12F MAX	ES-BOX12F MAX+
Rated Energy	5.12kWh	10.24kWh	14.34kWh	16.08kWh
Nominal Voltage	51.2V			
Nominal Capacity	100Ah	200Ah	280Ah	314Ah
Cell Type	LFP			
Standard Charge Voltage	56.8V			
Max.Charge/Discharge Current	100A	150A	200A	200A
Discharge Cut-Off Voltage	44.8V			
Parallel Function	Parallels：Max.16, Max.33, Max.64 (Optional)			
Communication Interface	RS485/RS232/CAN			
Cycle Life	>8000 Cycles(25°C±2°C，0.5C，90%DOD@65%EOL)		≥10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)	
Charge Temperature Range	0~55°C			
Discharge Temperature Range	-20~55°C			
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3			
Dimension	480*600*180mm (Excluding Wall-Mounted Brackets)	480*650*245mm (Excluding Wall-Mounted Brackets)	490*840*250mm (Excluding Wheels)	490*840*250mm (Excluding Wheels)
Net Weight	52Kg	98Kg	126Kg	128Kg
Installation Method	Wall-Mounted/Floor Standing			
Warranty(optional)	10 years warranty, 15 years design life			
Energy Throughput[1]	22MWh	44MWh	62MWh	70MWh
Display	RGB LED Light			
Include	Circuit Breaker			
Optional	Automatic Heating,Fire Extinguishing Module,WiFi Remote Monitoring			
Protection Grade	IP65			

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Note:

ES-BOX34 Series

5.12kWh/10.24kWh/14.34kWh/16.08kWh



Product Introduction

ES-BOX34 Series battery features 5.12/10.24/14.34/16.08kWh high-capacity design with doubled energy density. Premium LiFePO4 cells ensure safety and longevity, ideal for residential and commercial applications.

Product Features:

- Flexible installation saving time and effort
- 1C/1C continuous charge and discharge
- 10 years standard warranty
- WiFi/Bluetooth remote monitoring (optional)
- Max. 64 modules parallel
- Cloud management & monitoring OTA update remotely
- Superior LiFePO4 safety performance
- Compatible with multiple inverter brands

Product Specification

Product Model	ES-BOX34	ES-BOX34 PLUS	ES-BOX34 MAX	ES-BOX34 MAX+
Rated Energy	5.12kWh	10.24kWh	14.34kWh	16.08kWh
Nominal Voltage	51.2V			
Nominal Capacity	100Ah	200Ah	280Ah	314Ah
Cell Type	LFP			
Standard Charge Voltage	56.8V			
Max.Charge/Discharge Current	100A	150A	200A	
Discharge Cut-Off Voltage	44.8V			
Parallel Function	Parallels: Max.16, Max.33, Max.64 (Optional)			
Communication Interface	RS485/CAN/USB			
Cycle Life	≥8000 Cycles (25°C±2°C, 0.5C, 90%DOD@65%EOL)		≥10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)	
Charge Temperature Range	0~55°C			
Discharge Temperature Range	-20~55°C			
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3			
Dimension	480*600*165mm (Excluding mounting ears and support feet)	480*650*245mm (Excluding wall mount brackets)	490*840*250mm (Excluding Wheels)	
Net Weight	52Kg	96Kg	122Kg	
Installation Method	Wall Mounted/Floor Standing			
Warranty(optional)	10 years warranty, 15 years design life			
Energy Throughput [1]	22MWh	44MWh	62MWh	70MWh
Display	3.2" LCD Touch Screen		4.3" LCD Touch Screen	
Optional	Circuit Breaker, WiFi Remote Monitoring, Bluetooth			
Protection Grade	IP20			

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Note:

ES-BOX36 Series

2.56kWh/5.12kWh/10.24kWh/14.34kWh/16.08kWh



Product Introduction

ES-BOX36 Series battery features 2.56/5.12/10.24/14.34/16.08kWh high-capacity design with doubled energy density. Premium LiFePO4 cells ensure safety and longevity, ideal for residential and commercial applications.

Product Features:

- Flexible installation saving time and effort
- 1C/1C continuous charge and discharge
- 10 years standard warranty
- WiFi/Bluetooth remote monitoring (optional)
- Max. 64 modules parallel
- Cloud management & monitoring OTA update remotely
- Superior LiFePO4 safety performance
- Compatible with multiple inverter brands

Product Specification

Product Model	ES-BOX36S	ES-BOX36	ES-BOX36 PLUS	ES-BOX36 MAX	ES-BOX36 MAX+
Rated Energy	2.56kWh	5.12kWh	10.24kWh	14.34kWh	16.08kWh
Nominal Voltage	25.6V	51.2V			
Nominal Capacity	100Ah	100Ah	200Ah	280Ah	314Ah
Cell Type	LFP				
Standard Charge Voltage	28.4V	56.8V			
Max.Charge/Discharge Current	100A	100A	150A	200A	200A
Discharge Cut-Off Voltage	22.4V	44.8V			
Parallel Function	Parallels: Max.16, Max.33, Max.64 (Optional)				
Communication Interface	RS485/CAN/USB				
Cycle Life	>8000 Cycles(25°C±2°C，0.5C，90%DOD@65%EOL)			≥10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)	
Charge Temperature Range	0~55°C				
Discharge Temperature Range	-20~55°C				
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3				
Dimension	350*472*158mm (Excluding Wall-Mounted Brackets)	450*620*160mm (Excluding Wall-Mounted Brackets)	480*650*245mm (Excluding Wall-Mounted Brackets)	460*880*245mm (Excluding Wheels)	460*880*245mm (Excluding Wheels)
Net Weight	26Kg	51Kg	92Kg	122Kg	122Kg
Installation Method	Wall-Mounted/Floor Standing				
Warranty(optional)	10 years warranty, 15 years design life				
Energy Throughput[1]	10MWh	22MWh	44MWh	62MWh	70MWh
Display	RGB LED Light/3.2" LCD Touch Screen			RGB LED Light/4.3" LCD Touch Screen	
Protection Grade	IP20				
Optional	Circuit Breaker,WiFi Remote Monitoring，Bluetooth				

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Note:

BOX55F ULTRA SERIES

51.2V / 392Ah / 20.07kWh



Product Introduction

LiFePO4 energy storage system for reliable backup power & energy management in homes and small commercial sites

Product Features:

- Flexible installation saving time and effort
- Battery Auto-sleep and wake-up upon inverter command
- 10 years standard warranty
- WiFi/Bluetooth remote monitoring (optional)
- Up to 20 Units in Parallel
- Cloud management & monitoring OTA update remotely
- Superior LiFePO4 safety performance
- Compatible with multiple inverter brands

Product Specification

Product Model	BOX55F-ULTRA
Nominal Energy	20.07kWh
Nominal Voltage	51.2V
Nominal Capacity	392Ah
Cell Type	LFP
Standard Charge Voltage	56.8V
Max.Charge/Discharge Current	300A
Discharge Cut-Off Voltage	44.8V
Parallel Function	Parallels: 20 units parallel(Optional)
Communication Interface	USB/RS232/RS485/CAN(RS485 parallel operation)auto-addressing
Cycle Life	10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)
Charge Temperature Range	0~55°C
Discharge Temperature Range	-20~55°C
Certification	Pack:CE/IEC 62619/MSDS/UN38.3
Dimension	550*265*840mm (Excluding Wall-mounted & Wheeled)
Net Weight	154Kg/156Kg
Installation Method	Floor Standing
Display	RGB LED Light/4.3" LCD Touch Screen
Optional	WiFi, fire-suppression module, heating module
Included	Air circuit breaker / Bluetooth / Waterproof quick-connect terminal / Waterproof Ethernet port terminal
Protection Degree	IP20/IP65 (Optional)
Warranty	10 years warranty, 15 years design life
Energy Throughput[1]	88MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Note:

Rack-Mounted Energy Storage Battery

5.12kWh/10.24kWh/14.34kWh/16.08kWh

SOLAR POWER SYSTEM LITHIUM BATTERY



OEM & ODM SUPPORT | INTELLIGENT CONTROL CHIP | X-SERIES BRACKET HOLDER | MULTIPLE INTERFACE SUPPORT

Product Features:

- 10 years waranty
- Low voltage safety connection
- Superior LiFePO4 safety performance
- Flexible installation, saving time and effort
- 1C/1C continuous charge and discharge
- Battery Auto-sleep and wake-up upon inverter command

Product Specification



Product Model	ESS-5120-KS7	ESS-10240-KS6	ESS-KS3-16280	ESS-KS3-16314
Rated Energy	5.12kWh	10.24kWh	14.34kWh	16.08kWh
Nominal Voltage	51.2V			
Nominal Capacity	100Ah	200Ah	280Ah	314Ah
Cell Type	LFP			
Standard Charge Voltage	56.8V			
Max. Discharge Current	100A	150A	200A	200A
Discharge Cut-Off Voltage	44.8V			
Parallel Function	Parallels: Max.16, Max.33, Max.64 (Optional)			
Communication Interface	RS485/CAN/USB			
Cycle Life	≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)	
Charge Temperature Range	0~55°C			
Discharge Temperature Range	-20~55°C			
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3			
Dimension	440*440*132mm	468.6*474.1*235mm	520*620*230mm	520*620*230mm
Net Weight	43kg	85kg	120kg	120kg
Installation Method	Rack-mounted Stackable /Wall-mounted	Rack-mounted Stackable	Rack-mounted Stackable /Floor Standing	Rack-mounted Stackable /Floor Standing
Warranty(optional)	10 years warranty,15 years design life			
Energy Throughput[1]	22MWh	44MWh	62MWh	70MWh
Display	3.2" LCD Touch Screen	3.2" LCD Touch Screen	4.3" LCD Touch Screen	4.3" LCD Touch Screen
Optional	Circuit Breaker, WiFi, Bluetooth			

[1] Conditions apply, refer to GENIXGREEN warranty letter.

FOR SOLAR +
ENERGY STORAGE SYSTEM



Product Introduction

LV-ONE22L50 is an all-in-one solar and storage solution that integrates the inverter, battery charger, UPS-level switching, and battery enclosure into a pre- wired modular system for easier and faster installation. The compact, elegantly designed, and robust unit is IP65 rated, so it can be mounted either inside or outside withstanding all weather conditions and brings a reduction of installation time of up to 50%.

Product Features:

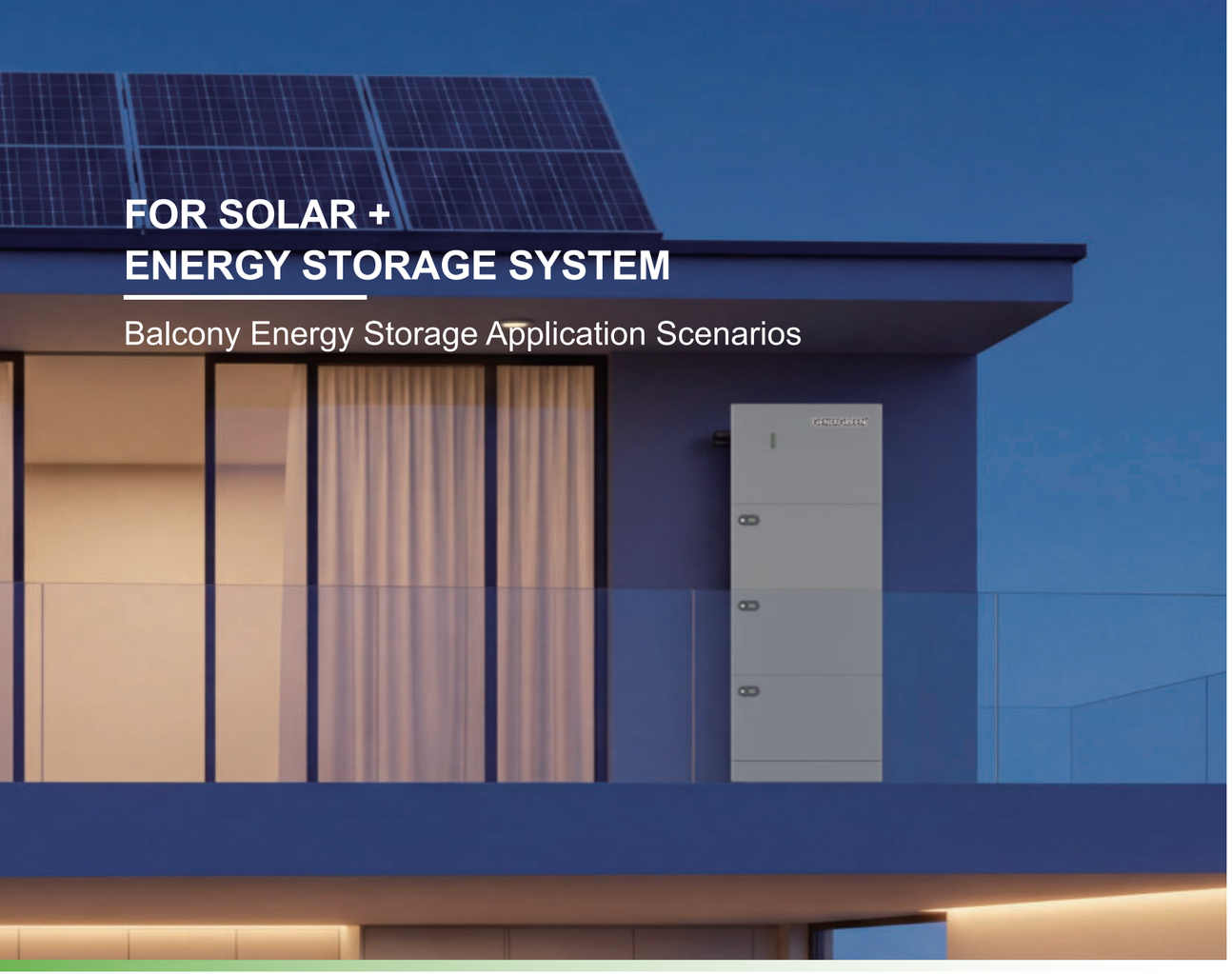
IP65
IP65 Outdoor Design

Modular Design Plug & Play

Scalable Design Up To 20.48kWh

150% Backup Overloading for 10s

Inverter Data	LV-ONE22L50
PV Input	
Max. Input Power (kW)	9.0
Max. PV Voltage (V)	550
MPPT Range (V)	80-500
Full MPPT Range (V)	170 - 500
Normal Voltage (V)	360
Startup Voltage (V)	100
Max. Input Current (A)	18.5x2
Max. Short Current (A)	26x2
No. of MPP Tracker / No. of PV String	2/2
Battery Port	
Max. Charge/Discharge Power (kW)	6.0
Max. Charge/Discharge Current (A)	120
Battery Normal Voltage (V)	51.2
Battery Voltage Range (V)	40 - 60
Battery Type	Li-ion
AC Grid	
Max Continuous Current (A)	28.0
Max Continuous Power (kVA)	6.0
Nominal Grid Current (A)	27.3 / 26.1
Nominal Grid Voltage (V)	198 to 242 @ 220 / 207 to 253 @230
Nominal Grid Frequency (Hz)	50/60
Power Factor	0.999 (Adjustable from 0 8 overexcited to 0.8 underexcited)
Current THD (%)	<3
AC Load Output (Back-up)	
Max Continuous Current (A)	28.0
Max Continuous Power (kVA)	6.0
Max Peak Current (A) (10min)	27.3 / 26.1
Max Peak Power (kVA) (10min)	9.0
Nominal AC Voltage L-N (V)	220 / 230
Nominal AC Frequency (Hz)	50 / 60
Switching Time (ms)	< 10
Voltage THD (%)	< 3
Efficiency	
CEC Efficiency (%)	98.1
Max. Efficiency (%)	98.1
PV to Bat. Efficiency (%)	98.1
Bat. between AC Efficiency (%)	96.8
Protection	
PV Reverse Polarity Protection	Yes
Over Current/Voltage Protection	Yes
Anti-Islanding Protection	Yes
AC Short Circuit Protection	Yes
Residual Current Detection	Yes
Ground Fault Monitoring	Yes
Insulation Resister Detection	Yes
PV Arc Detection	Yes
Enclosure Protect Level	IP65 / NEMA4X
AC/DC surge protection	Type II
General Data	
Dimensions (W x H x D, mm)	600 x 1980 x 210
Total Weight (kg)	265
Topology	Transformerless
Cooling	Intelligent Fan
Relatively Humidity	0-100%
Operating Temperature Range (°C)	-25 to 60
Operating Altitude (m)	<4000
Noise Emission (dB)	<25
Standby Consumption (W)	<10
Mounting	Wall Bracket
Communication with RSD	SUNSPEC
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G
Certification & Approvals	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2
EMC	EN61000-6-2, EN61000-6-3
Parameter	
Nominal Voltage(Vdc)	51.2
Nominal Capacity(Wh)	5120
Working Voltage Range(Vdc)	44.8-56.8
Charge Voltage(Vdc)	58.4
Nominal Charge/Discharge Current(A)	50
Max.Charge/Discharge Current(A)	100
Peak Current(A)	200@3sec
Parallel Connection	≤ 4 pcs
Cycle Life	≥8000 Cycles (25°C±2°C,0.5C,90%DOD@65%EOL)
Structure	
Dimension(mm)	600*210*365
Weight(kg)	55
IP Rating	IP65
Installation	Stacked
Working Environment	
Charge Working Temperature(°C)	0-55
Discharge Working Temperature(°C)	-20~60
Altitude(M)	<2500
Humidity(RH)	5-95% (w/o condensing)
Communication	
Communication Port	RS485, CAN
Display	SOC status indicator, LED indicator
Certification	
CB, IEC62619; CE-EMC, CE-GPSD, UKCA; UN38.3, MSDS	



FOR SOLAR + ENERGY STORAGE SYSTEM

Balcony Energy Storage Application Scenarios

Product Introduction

LV-ONE-24L12 is an all-in-one solar and energy storage solution that seamlessly integrates the inverter, battery charger, UPS-grade switching, and battery enclosure into a pre-wired modular system. With its unique “one-to-two” design, it’s perfect for balcony setups and DIY photovoltaic applications. Built with an IP65 protection rating, it’s engineered for both indoor and outdoor use, delivering reliable performance in all kinds of weather conditions.

Product Features:

- 1+2 — 1 Microinverter, 2 Independent MPPT Modules
- IP65 — IP65 Outdoor Design
- 1000W — Max Output Power up to 1000W
- Modular Design Plug & Play
- Designed for Balcony & DIY Systems

Model	LV-ONE-24L12
PV Input	
Max. Input Power	600Wx2
Recommended PV Module Power (STC) Range[1]	430Wp-900Wp+
Operating Voltage Range	12V-60V
Max. Input Voltage	60V
MPPT Voltage Range	12V-48V
Start-up Voltage	18V
Max. Continuous Input Current	17Ax2
Isc PV	25Ax2
AC Input and Output (On-Grid Port)	
Grid Type	Single-phase
Nominal AC Voltage[2]	230V
Nominal AC Frequency[2]	50Hz
Default Output Apparent Power[3]	800VA
Max. Continuous Output Power	1200VA
Max. Continuous Output Current	5.22A
Max. Continuous Input Power	1200VA
Max. Continuous Input Current	5.22A
Power Factor Range	>0.99(+/-0.8adj.)
EPS Switch Time	5ms
AC Input and Output (Off-Grid Port)	
Grid Type	Single-phase
Nominal AC Voltage	230V
Nominal AC Frequency	50Hz
Max. Continuous Output Power	1200VA
Peak Output Apparent Power	1800VA,10s
Max. Continuous Output Current	5.22A
Max. Continuous Input Power	2400VA
Max. Continuous Input Current	10.43A
Parameter	
Nominal Voltage(Vdc)	51.2
Nominal Capacity(Wh)	5120
Working Voltage Range(Vdc)	44.8-56.8
Charge Voltage(Vdc)	58.4
Nominal Charge/Discharge Current(A)	50
Max.Charge/Discharge Current(A)	100
Peak Current(A)	200@3sec
Parallel Connection	≤ 4 pcs
Cycle Life	≥8000 Cycles (25°C±2°C,0.5C,90%DOD@65%EOL)
Structure	
Dimension(mm)	600*210*365
Weight(kg)	49
IP Rating	IP65
Installation	Stacked
Working Environment	
Charge Working Temperature(°C)	0-55
Discharge Working Temperature(°C)	-10 ~ 55
Altitude(M)	<2500
Humidity(RH)	5-95% (w/o condensing)
Communication	
Communication Port	USB/RS485/CAN
Display	SOC status indicator, LED indicator
Certification	
CB, IEC62619; CE-EMC, CE-GPSD, UKCA; UN38.3, MSDS	

LV-DCboost 8.0

16.08kWh/24.12kWh/32.15kWh

Integrated BMS and bidirectional DC-DC boost low-voltage batteries to an adjustable 400–900V output, eliminating complex high-voltage battery packs. Supports parallel connection and mixed old / new batteries with automatic current and SOC balancing. Built-in protection and diagnostics simplify the system, remove the need for a high-voltage box, and reduce installation space by around 30%.



Product Features:

Easy Capacity Expansion
Plug-and-play design for hassle-free, convenient expansion

Mixed Use of New and Old Batteries
Supports mixed use of new and old batteries

Flexible installation
saving time and effort

IP65 Protection
Fearless of outdoor installation, strong environmental adaptability

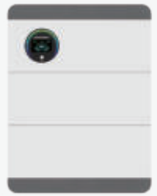
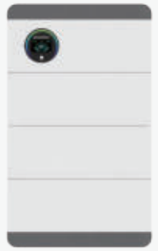
Adjustable Output Voltage
400-900V (configurable) for wide compatibility, suitable for direct connection to high-voltage PCS/inverters and busbars, with lower line loss and higher efficiency

High Reliability
Each pack's voltage is independently boosted to the same high-voltage busbar via DC/DC, ensuring more reliable independent protection

Long Battery Lifespan
Each battery is independently managed for more balanced current sharing, lower heat generation, and longer service life

Low-Cost Maintenance
Each battery pack is independently managed; maintenance of a single unit does not affect system operation, and single-pack replacement is supported

Product Specification

Product Model	LV-DCboost 8.0		
Main Parameter			
Picture			
Number Of Modules Connected In Series (Optional)	2	3	4
Nominal Energy	16.08kWh	24.12kWh	32.15kWh
Rated Capacity	314Ah		
System operating voltage	400-900V(Optional)		
Battery Type	LiFePO4		
Rated Current	≤20A	≤30A	≤40A
Parallel Function	Parallels：Max.8		
Inverter Communication Interface	CAN		
Upper Computer Communication Interface	RS485/CAN		
Standby Power Consumption	25W		
Dimension(L*W*H)	750*340*708mm	750*340*982mm	750*340*1256mm
Weight	114Kg	169Kg	224Kg
Single module technical parameter			
Battery power	8.04kWh		
Operating Voltage range	20~29.2V		
Rated Power	4000W		
Max. Charge/Discharge Current	200A(DC)		
Cycle Life	>8000 Cycles(25°C±2°C，0.35C，80%DOD@65%EOL)		
Charge Temperature Range	0~55°C		
Discharge Temperature Range	-20~55°C		
Relative Humidity	5%~95%		
Dimension(L*W*H)	750*340*274mm		
Net Weight	55kg		
Installation Method	Stacked		
Warranty(Optional)	10 years warranty, 15 years design life		
Display	5" LCD Touch Screen		
Optional	/		
Waterproof Rating	IP65		
Heat dissipation method	External natural cooling, internal fan for internal circulation		
Energy Throughput[1]	70MWh	106MWh	140MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

HV-BOX4-Series

Energy Storage System

- Modular stackable design
- 10.24kWh high capacity per unit
- 3-7 units scalable
- Flexible and efficient installation



Product Features:

Modular stackable design, simple and generous appearance

Flexible and quick installation

Safe and reliable Longer cycle life

Lithium iron phosphate battery cell, safe and stable

Built in fan accelerates heat dissipation

Smart BMS high power

Product Specification

Product Model		HV-BOX4-Series				
Main Parameter						
Battery Type		LiFePO4				
Module Energy (kWh)		10.24				
Module Nominal Voltage(V)		102.4				
Rated Energy(Ah)		100				
Number Of Modules Connected In Series (Optional)		3	4	5	6	7
System Rated Voltage(V)		307.2	409.6	512	614.4	716.8
System operating voltage (V)	**Charging voltage**	345.6	460.8	576	691.2	806.4
	Discharge voltage	268.8	358.4	448	537.6	627.2
System Nominal Energy (kWh)		30.72	40.96	51.2	61.44	71.68
System Discharge Energy (kWh)		29.49	39.32	49.15	58.98	68.81
Charging/ Discharging Current (A)	**Rated Current**	50				
	Max. Current	100				
	Overload Current	115(10 sec,25°C)				
Communication Protocol		CAN2.0				
Working Temperature Range (°C)		Charging 0~50°C / Discharging -10~ 55°C				
Working Humidity Range		≤95%(No condensation)				
Working Altitude		≤2000m				
System Cooling Method		Fan cooling				
Protection Grade		IP20				
Installation Location		Indoor				
Weight(kg)		321	417	513	609	705
Max. Dimension(mm)		758*635*740	758*635*900	758*635*1060	758*635*1220	758*635*1380
Storage Temperature(°C)		0~35				
Recommended Discharge Depth		90%				
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)				
Certification		Cell:UL1973/UL9540A/TUV/CE/UN38.3				
Warranty		5 Years(Under Warranty Terms)				
Energy Throughput[1]		67MWh	90MWh	112MWh	135MWh	157MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage system is designed for indoor energy storage applications and supports multi-cluster parallel operation(up to 4 battery clusters). However, the parallel operation function must be used together with an industrial air-conditioning system whose cooling capacity matches the PCS power and the battery operating power for heat dissipation. Parallel operation is prohibited if an industrial air conditioner with matching cooling capacity is not installed.
Parallel operation also requires the use of dedicated BMS control software. Please refer to the Parallel Operation Manual for detailed instructions. For the above technical requirements, please contact our company's technical personnel for confirmation. System upgrades and parallel operation may only be carried out under the guidance of our technical team after proper communication and approval. Unauthorized parallel operation is strictly prohibited, as it may result in serious safety accidents. <Systems operating with 2 to 4 clusters in parallel may maintain 0.5C charge and discharge current only when the cooling conditions meet the system's thermal design requirements. Any parallel configuration exceeding 4 clusters is considered a special operating condition and must be handled by our technical personnel. Unauthorized operation is strictly prohibited.>
The selected inverter model must be compatible with the voltage range of this product.
The system is configured with 7 energy storage modules, with a rated operating voltage range of 300V–900V DC.
If Deye-brand inverters are used, the inverter must be selected according to the number of stacked modules as follows:
When 6 modules or fewer are stacked: A Deye 50kW inverter may be selected. The inverter's maximum DC input voltage is 800V, and the total module voltage must not exceed this limit.
When all 7 modules are stacked: A Deye 80kW inverter must be selected. The inverter's maximum DC input voltage is 1000V, which fully covers the total voltage range of the modules.
Safety Warning: System overvoltage operation is strictly prohibited. The inverter selection must be strictly matched with the actual number of stacked modules and the total system voltage.



HV-BOX6-Series

Energy Storage System

- Modular stackable design
- 7.02kWh high capacity per unit
- 2-10 units scalable
- Flexible and efficient installation

Product Features:

Sleek design, effortless installation

Supports up to 650V systems for higher conversion efficiency

IP65 protection rating

Supports up to 4 clusters in parallel (For setups over 4 clusters, please contact our technical team for solution support.)

Flexible stacking with auto-adaptive BMS for seamless configuration

Cloud-based real-time balancing technology significantly extends service life, backed by a 10-year warranty

Product Specification

Product Model		HV-BOX6-Series								
Main Parameter										
Battery Type		LiFePO4								
Module Energy (kWh)		7.02								
Module Nominal Voltage(V)		57.6								
Rated Energy(Ah)		122								
Model Name		HV-BOX6 115.2V-122Ah/2S	HV-BOX6 172.8V-122Ah/3S	HV-BOX6 230.4V-122Ah/4S	HV-BOX6 288V-122Ah/5S	HV-BOX6 345.6V-122Ah/6S	HV-BOX6 403.2V-122Ah/7S	HV-BOX6 460.8V-122Ah/8S	HV-BOX6 518.4V-122Ah/9S	HV-BOX6 576V-122Ah/10S
System Rated Voltage(V)		115.2	172.8	230.4	288	345.6	403.2	460.8	518.4	576
System operating voltage (V)	**Charging voltage**	129.6	194.4	259.2	324	388.8	453.6	518.4	583.2	648
	Discharge voltage	100.8	151.2	201.6	252	302.4	352.8	403.2	453.6	504
System Nominal Energy (kWh)		14.04	21.06	28.08	35.1	42.12	49.14	56.16	63.18	70.2
System Discharge Energy (kWh)		13.47	20.21	26.95	33.69	40.43	47.17	53.91	60.65	67.39
Charging/ Discharging Current (A)	**Rated Current**	36								
	Max. Current	50（Charge/discharge performance decreases at high temperatures）								
	Overload Current	59(10 sec,25°C）								
Active Balancing		Optional								
Communication Protocol		CAN2.0								
Working Temperature Range (°C)		Charge：0~ 50 / Discharge：-10 ~ 55								
Working Humidity Range		≤95%(No condensation)								
Working Altitude		≤2000m								
System Cooling Method		Passive Cooling								
Protection Grade		IP65								
Installation Location		Indoor/Outdoor								
Weight(kg)		128	182	236	290	344	398	452	506	560
Max.Dimension(W*D*Hmm)		660*400*532	660*400*682	660*400*832	660*400*982	660*400*1132	660*400*1282	660*400*1432	660*400*1582	660*400*1732
Storage Temperature(°C)		25~35								
Recommended Discharge Depth		90%								
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)								
Certification		Cell：UL1973/UL9540A/TUV/CE/UN38.3								
Warranty		10 Years(Under Warranty Terms)								
Energy Throughput[1]		62MWh	92MWh	122MWh	154MWh	184MWh	216MWh	266MWh	276MWh	308MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage product is designed for Indoor/Outdoor applications and supports parallel operation (up to 4 clusters, with an optional active balancing function to further enhance battery consistency).However,the parallel operation function must use an i ndustrial air conditioner that matches the PCS power and battery power for heat dissipation.Parallel operation requires the use of matching BMS control software and industrial air conditioners that match the required heat dissipation capacity of the product output power. Please contact our technical personnel for specific information, and after confirmation, upgrade and guide the ope ration of parallel operation. It is strictly prohibited to merge without authorization, as this operation will cause serious safety accidents). Unauthorized parallel connection is strictly prohibited, as such operation may result in severe safety incidents. The factory-default delivered software is the non-parallel version.For a system with 2 to 4 clusters operating in parallel,maintaining a 0.5 C charge/discharge rate is permissible only when the thermal dissipation conditions fully comply with the design requirements. Any parallel configuration exceeding 4 clusters constitutes a special operating condition and must be handled exclusively by our technical specialists. Unauthorized operation beyond this limit is strictly prohibited。



HV-BOX8-Series

One Cabinet. One Install. One Solution

All-in-One Integration

Built on the HV-BOX8 high-voltage stacking platform, HV-BOX8 integrates a 10 kW three-phase hybrid PCS and ships as a complete all-in-one system. Three to seven 7.02kWh modules stack freely for 21.06 – 49.14 kWh, with 4 PV MPPTs, up to 4 clusters in parallel and <10 ms on/off-grid transfer — one cabinet that generates, stores and delivers.

Product Features:

All-in-One Integration
Pre-assembled and pre-commissioned. Plug-and-play on site, significantly reducing installation costs and space

High Voltage & Efficiency
Up to 403.2V system voltage, 10kW three-phase output, 97.9% max efficiency, supporting 0.5C high-rate charge/discharge

Flexible Stacking & Scalability
3-7 modules (21-49kWh) in series. Supports up to 4 clusters in parallel, catering to diverse energy demands

Weather-Resistant & Durable
IP65 for battery, IP66 for PCS. Natural cooling design ensures reliable operation in harsh environments, indoors or outdoors

Ultimate Safety & Smart Balancing
Inherently safe LiFePO4 cells with multiple protections. Optional 2A active balancing to extend system lifespan

Smart Connectivity & Seamless Switching
CAN/RS485/WiFi/Bluetooth APP monitoring. <10ms on/off-grid switching for uninterrupted power

Product Specification

Product Model		HV-BOX8-Series				
Main Parameter						
Battery Type		LiFePO4				
Module Energy (kWh)		7.02				
Module Nominal Voltage(V)		57.6				
Rated Energy(Ah)		122				
Model Name		HV-BOX8 172V-122Ah/3S	HV-BOX8 230V-122Ah/4S	HV-BOX8 288V-122Ah/5S	HV-BOX8 345V-122Ah/6S	HV-BOX8 403V-122Ah/7S
Number Of Modules Connected In Series		3	4	5	6	7
System Rated Voltage(V)		172.8	230.4	288	345.6	403.2
System operating voltage (V)	Charging voltage	194.4	259.2	324	388.8	453.6
	Discharge voltage	151.2	201.6	252	302.4	352.8
System Nominal Energy (kWh)		21.06	28.08	35.1	42.12	49.14
System Discharge Energy (kWh)		20.21	26.95	33.69	40.43	47.17
Charging/ Discharging Current (A)	Rated Current	36				
	Max. Current	50（Charge/discharge performance decreases at high temperatures）				
	Overload Current	59(10 sec,25°C）				
Active Balancing		Optional				
Communication Protocol		CAN2.0				
Working Temperature Range (°C)		Charge：0~ 50 / Discharge：-10 ~ 55				
Working Humidity Range		≤95%(No condensation)				
Working Altitude		≤2000m				
System Cooling Method		Passive Cooling				
Protection Grade		IP65				
Installation Location		Indoor/Outdoor				
Weight(kg)		232	286	340	394	448
Max.Dimension(W*D*H mm)		715*424*1270	715*424*1420	715*424*1570	715*424*1720	715*424*1870
Storage Temperature(°C)		25~35				
Recommended Discharge Depth		90%				
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)				
Certification		Cell: UL1973/IEC62619/CE/ROHS/MSDS/UN38.3				
Warranty		5 Years(Under Warranty Terms)				
Energy Throughput [1]		46MWh	61MWh	77MWh	92MWh	108MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage product is designed for Indoor/Outdoor applications and supports parallel operation (up to 4 clusters, with an optional active balancing function to further enhance battery consistency).However,the parallel operation function must use an i ndustrial air conditioner that matches the PCS power and battery power for heat dissipation.Parallel operation requires the use of matching BMS control software and industrial air conditioners that match the required heat dissipation capacity of the product output power. Please contact our technical personnel for specific information, and after confirmation, upgrade and guide the ope ration of parallel operation. It is strictly prohibited to merge without authorization, as this operation will cause serious safety accidents). Unauthorized parallel connection is strictly prohibited, as such operation may result in severe safety incidents. The factory-default delivered software is the non-parallel version.For a system with 2 to 4 clusters operating in parallel,maintaining a 0.3C charge/discharge rate is permissible only when the thermal dissipation conditions fully comply with the design requirements. Any parallel configuration exceeding 4 clusters constitutes a special operating condition and must be handled exclusively by our technical specialists. Unauthorized operation beyond this limit is strictly prohibited。



Applicable scenarios

Medium-sized industrial and commercial places such as factories, shopping malls, islands, and other areas without basic power grids, weak power grids, or unstable electricity supply.

DC+AC COUPLING PROJECT PROPOSAL

Characteristics

Efficiency: Improve energy efficiency for efficient energy allocation and use.

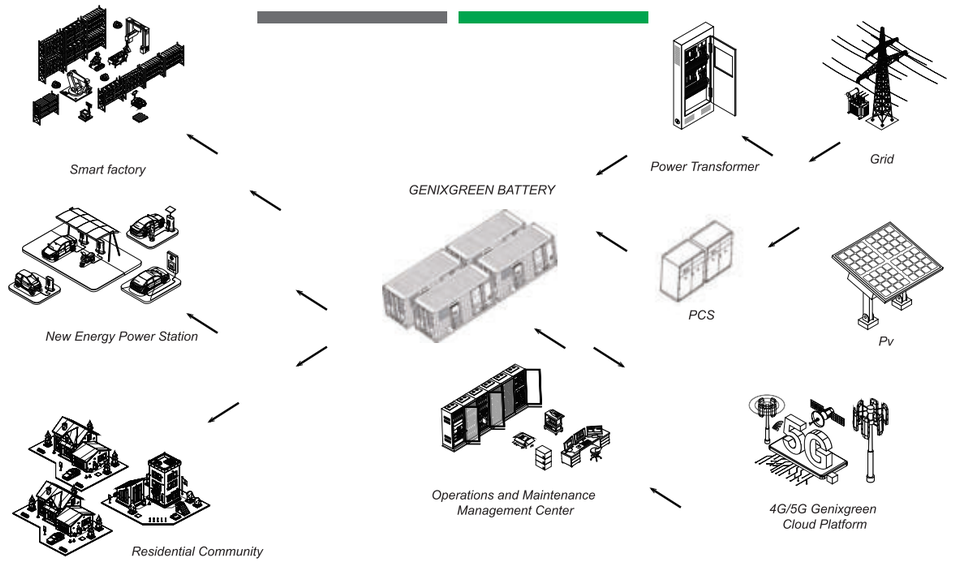
Economy: Take advantage of the price difference between peak and off-peak grid electricity to maximize return on investment and minimize electricity costs.

Environmental: Promoting clean energy consumption, reducing reliance on traditional energy sources, and contributing to carbon neutrality goals.

Stability: Smooth current, reduce the impact on the grid, and improve the grid's stability.

Flexibility: The system architecture is flexible and customizable to different application scenarios and requirements.

COMMERCIAL & INDUSTRIAL ENERGY STORAGE





Standard 16S Module

100Ah Battery Module+ PDU



Standard 16S Module

314Ah Battery Module+ PDU



Standard 16S Module

314Ah Battery Module+ PDU



Standard 24S Module

206Ah Battery Module+ PDU



Standard 32S Module

100Ah Battery Module+ PDU



PDU	HV-PDU 750VDC100A(WIFI)	HV-PDU 1000VDC250A	HV-BOX5-PDU 1000VDC250A(WIFI)	HV-PDU 1000VDC150A(WIFI)	HV-PDU 1000VDC100A(WIFI) (A07)
Operating Voltage	250~750Vdc	250~1000Vdc	250~1000Vdc	250~1000Vdc	250~1000Vdc
Rated Charge/Discharge Current	50A	157A	157A	120A	50A
Max. Charge/Discharge Current	100A	165A	165A	130A	100A
Operating Temperature Range	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C
Waterproof Rating	IP20	IP20	IP20	IP20	IP20
Dimensions (W × D × H)	440*570*150mm	420*807*238mm	940*835*2050mm	620*705*235mm	517*745*155mm
Weight	≈16kg	≈29kg	≈28kg	≈28kg	≈22kg
Parallel Connection	Support	Support	Support	Support	Support
					
Module	**HV-Tower-16S100A**	**HV-Tower-16S314A**	**HV-BOX5-16S314A**	**HV-Tower-76.8V206Ah**	**HV-Tower-32S100A**
Battery Type	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)
Rated Voltage	51.2Vdc	51.2Vdc	51.2Vdc	76.8Vdc	102.4Vdc
Rated Capacity	100Ah	314Ah	314Ah	206Ah	100Ah
Rated Energy	5.12kWh	16.08kWh	16.08kWh	16kWh	10.24kWh
Rated Charge/Discharge Current	50A	157A	157A	120A	50A
Max. Charge/Discharge Current	100A	165A	165A	130A	100A
Operating Temperature Range	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C	Charge：0~ 50°C/Discharge：-10 ~ 55°C
Waterproof Rating	IP20	IP20	IP20	IP20	IP20
Weight	≈44kg	≈118kg	≈125kg	≈130kg	≈88kg
Dimensions (W × D × H)	440*570*133mm	420*795*238mm	440*821*290mm	620*705*235mm	517*745*155mm

Tower-HV-Series 614V100Ah

Energy Storage Rack System



Tower-X-HV-614V100Ah:
A scalable energy storage solution for commercial and industrial applications, delivering high-efficiency power management through modular design and intelligent control.

Product Features:

- Compact and lightweight for easy installation
- Modular design, 30.72–61.44 kWh capacity
- Safe and reliable Longer cycle life
- Flexible stacking installation
- Built in fan accelerates heat dissipation
- Smart BMS high power

Product Specification

Product Model		Tower-HV-307V100Ah(6S)	Tower-HV-358V100Ah(7S)	Tower-HV-409V100Ah(8S)	Tower-HV-460V100Ah(9S)	Tower-HV-512V100Ah(10S)	Tower-HV-563V100Ah(11S)	Tower-HV-614V100Ah(12S)
Main Parameter								
Battery Type		LiFePO4						
Model Power(kWh)		5.12						
Module Nominal Voltage(V)		51.2						
Rated Energy(Ah)		100						
Battery Module QTY		6	7	8	9	10	11	12
System Rated Voltage(V)		307.2	358.4	409.6	460.8	512	563.2	614.4
System Operating Voltage (V)		268.8~345.6	313.6~403.2	358.4~460.8	403.2~518.4	448~576	492.8~633.6	537.6~691.2
System Nominal Power (kWh)		30.72	35.84	40.96	46.08	51.2	56.32	61.44
System Discharge Power (kWh)		29.49	34.41	39.32	44.23	49.15	54.06	58.98
Charging/ Discharging Current (A)	**Rated Current**	50						
	Max. Current	100						
	Overload Current	125(10sec,25°C)						
Status Indicator Light		Blue: battery system start status, Green: battery system running status, Red: battery system fault status						
Communication Protocol		CAN2.0						
Working Temperature Range (°C)		Charging 0~50°C / Discharging -10~ 55°C						
Working Humidity Range		≤95%(No condensation)						
Working Altitude		≤2000m						
System Cooling Method		Natural cooling						
Protection Grade		IP20						
Installation Location		Indoor						
Net Weight(kg)		364	408	452	496	540	584	628
Dimension(mm)		560*629*2158						
Storage Temperature(°C)		0~35						
Recommended Discharge Depth		90%						
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)						
Certification		CE/MSDS/UN38.3						
Warranty		5 Years(Under Warranty Terms)						
Energy Throughput[1]		67MWh	78MWh	90MWh	101MWh	112MWh	123MWh	135MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage product is designed for indoor applications and supports multi-cluster parallel operation,which requires the use of industrial air conditioning systems matching both the PCS power rating and battery output power for heat dissipation. Parallel operation is strictly prohibited without a properly matched cooling system(parallel operation requires dedicated BMS control software and an industrial air conditioning system with cooling capacity matching the product's power output; for specific details please contact our technical personnel for upgrade and operational guidance - unauthorized parallel operation is strictly prohibited as it may lead to serious safety incidents). The system is delivered with parallel operation disabled by default. The maximum allowable charge/discharge currents are: 0.9C for <2-cluster, 0.8C for 3-cluster, and 0.5C for 4- cluster parallel configurations. For parallel operation involving more than 4 clusters, customers must consult with our technical personnel for system upgrade and operational guidance before proceeding.

Tower-X-HV-716V100Ah

High Voltage Stackable Energy Storage System



Product Features:

- Support 3-7PCS battery modules connected in series, flexible extension
- OTA Remote upgrade, simple maintenance
- Intelligently identify the master-slave batteries without DIP address
- Support 4 clusters in parallel to get more energy
- Easy connection for WiFi remotely monitoring system anytime and anywhere
- Modular design, easy to install, plug-and-play cable connection design
- Adopt advanced BMS algorithms and use Cloud to achieve BMS full-time balancing which can ensure battery product SOC calculation is more accurate
- BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years
- When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs
- Support Max. 1C charge & discharge

Product Specification

Product Model		Tower-X-HV-716V100Ah				
Main Parameter						
Battery Type		LiFePO4				
Module Power(kWh)		10.24				
Module Nominal Voltage(V)		102.4				
Rated Energy(Ah)		100				
No Of System Module Series Connections (Optional)		3	4	5	6	7
System Rated Voltage(V)		307.2	409.6	512	614.4	716.8
System Operation Voltage(V)		268.8 ~ 345.6	358.4 ~ 460.8	448 ~ 576	537.6 ~ 691.2	672.2 ~ 806.4
System Rated Power(kWh)		30.72	40.96	51.2	61.44	71.68
System Discharge Power(kWh)		29.49	39.32	49.15	58.98	68.81
Charge/ Discharge Current(A)	Rated Current	50				
	Max. Current	100				
	Overload Current	115(10sec,25°C)				
Status Indicator Light		Blue: battery system start status, Green: battery system running status, Red: battery system fault status				
Communication Protocol		CAN2.0				
Working Temperature Range		Charging 0~50°C / Discharging -10~ 55°C				
Working Humidity Range		≤95% (No condensation)				
Working Altitude		≤2000m				
System Cooling Method		Fan cooling				
Waterproof Grade		IP20				
Installation Location		Indoor				
Net Weight (kg)		310	400	490	580	670
Max. Size (mm)		577*800*740	577*800*900	577*800*1060	577*800*1220	577*800*1380
Storage Temperature		0~35				
Recommended Discharge Depth		90%				
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)				
Certification		Cell：UL1973/IEC62619/UL9540A/TUV/CE/MSDS/UN38.3				
Warranty		5 Years(Under Warranty Terms)				
Energy Throughput[1]		67MWh	90MWh	112MWh	135MWh	157MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage system is designed for indoor energy storage applications and supports multi-cluster parallel operation. However, the parallel operation function must be used together with an industrial air-conditioning system whose cooling capacity matches the PCS power and the battery operating power for heat dissipation. Parallel operation is prohibited if an industrial air conditioner with matching cooling capacity is not installed.
Parallel operation also requires the use of dedicated BMS control software. Please refer to the Parallel Operation Manual for detailed instructions. For the above technical requirements, please contact our company's technical personnel for confirmation. System upgrades and parallel operation may only be carried out under the guidance of our technical team after proper communication and approval. Unauthorized parallel operation is strictly prohibited, as it may result in serious safety accidents. <Systems operating with 2 to 4 clusters in parallel may maintain 0.5C charge and discharge current only when the cooling conditions meet the system's thermal design requirements. Any parallel configuration exceeding 4 clusters is considered a special operating condition and must be handled by our technical personnel. Unauthorized operation is strictly prohibited.>
The selected inverter model must be compatible with the voltage range of this product.
The system is configured with 7 energy storage modules, with a rated operating voltage range of 300V–900V DC.
If Deye-brand inverters are used, the inverter must be selected according to the number of stacked modules as follows:
When 6 modules or fewer are stacked: A Deye 50kW inverter may be selected. The inverter's maximum DC input voltage is 800V, and the total module voltage must not exceed this limit.
When all 7 modules are stacked: A Deye 80kW inverter must be selected. The inverter's maximum DC input voltage is 1000V, which fully covers the total voltage range of the modules.
Safety Warning: System overvoltage operation is strictly prohibited. The inverter selection must be strictly matched with the actual number of stacked modules and the total system voltage.

Tower-X-HV-460V206Ah

High Voltage Stackable Energy Storage System

A high-performance modular energy storage solution designed for small & medium commercial and premium residential applications, delivering safe and reliable energy storage and optimization through intelligent management and efficient design.



Product Features:

Smart Control
Advanced BMS with real-time monitoring and remote management CAN 2.0 communication protocol for transparent data control

Flexible Architecture
4-6 module flexible configuration (64-96kWh capacity range)
Modular design saves installation space

High Efficiency & Reliability
460V high-voltage architecture reduces transmission loss
8,000 cycle life ensures long-term value
Multiple protection mechanisms (overcharge/discharge/current)

Typical Applications
Commercial peak shaving
Premium residential energy independence
PV system energy storage

Product Specification

Model		Tower-X-HV-460V206Ah		
Battery Type		LiFePO4		
Module Nominal Energy(kWh)		16		
Mini. Energy Of Module (kWh)		15.5		
Module Nominal Voltage (V)		76.8		
Rated Capacity(Ah)		206		
No. Of System Module Series Connections (Optional)		4	5	6
Rated Voltage Of the System(V)		307.2	384	460.8
System Operation Voltage(V)	Charge Voltage	345.6	432	518.4
	Discharge Voltage	268.8	336	403.2
System Nominal Energy(kWh)		64	80	96
Mini. Discharge Energy Of The System (kWh)		60.74	75.93	91.12
Charge/ Discharge Current(A)	Rated Current	120		
	Max. Current	130		
	Overload Current	150(10sec,25°C)		
Status Indicator Light		Blue: Battery system start status, Green: Battery system operation status, Red:Battery system fault status		
Active Balancing		Optional		
Communication Protocol		CAN2.0		
Operating Temperature Range (°C)		Charge：0~ 50 / Discharge：-10~ 55		
Operating Humidity Range		≤95% (No condensation)		
Operating Altitude		≤2000m		
System Cooling Method		Fan cooling		
Waterproof Rating		IP20		
Installation Place		Indoors		
Net Weight (kg)		≈550~810		
Dimensions（mm）		677*722*1800		
Storage Temperature(°C)		0~35		
Recommended Depth of Discharge (DOD)		90%		
Fire Protection System		Aerosol (optional)		
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)		
Warranty		5 Years(Under Warranty Terms)		
Energy Throughput [1]		133MWh	166MWh	200MWh
Certification		Cell: UL1973/CE/ROHS/MSDS/UN38.3		

[1] Conditions apply, refer to GENIXGREEN warranty letter.

Tower-X-HV-768V206Ah

High Voltage Stackable Energy Storage System

A high-performance modular energy storage solution designed for small & medium commercial and premium residential applications, delivering safe and reliable energy storage and optimization through intelligent management and efficient design.



Product Features:

Smart Control
Advanced BMS with real-time monitoring and remote management CAN 2.0 communication protocol for transparent data control

Flexible Architecture
4-10 module flexible configuration (61-151kWh capacity range)
Modular design saves installation space

High Efficiency & Reliability
768V high-voltage architecture reduces transmission loss
8,000 cycle life ensures long-term value
Multiple protection mechanisms (overcharge/discharge/current)

Typical Applications
Commercial peak shaving
Premium residential energy independence
PV system energy storage

Product Specification

Model		Tower-X-HV-768V206Ah						
Battery Type		LiFePO4						
Module Nominal Energy(kWh)		16						
Mini. Energy Of Module (kWh)		15.5						
Module Nominal Voltage (V)		76.8						
Rated Capacity(Ah)		206						
No. Of System Module Series Connections (Optional)		4	5	6	7	8	9	10
Rated Voltage Of the System(V)		307.2	384	460.8	537.6	614.4	691.2	768
System Operation Voltage(V)	Charge voltage	345.6	432	518.4	604.8	691.2	777.6	864
	Discharge voltage	268.8	336	403.2	470.4	537.6	604.8	672
System Nominal Energy(kWh)		64	80	96	112	128	144	160
Mini. Discharge Energy Of The System (kWh)		60.74	75.93	91.12	106.3	121.5	136.69	151.87
Charge/ Discharge Current(A)	Rated Current	120						
	Max. Current	130						
	Overload Current	150(10sec,25°C)						
Status Indicator Light		Blue: battery system start status, Green: battery system operation status, Red:battery system fault status						
Communication Protocol		CAN2.0						
Operating Temperature Range (°C)		Charge：0~ 50 / Discharge：-10~ 55						
Operating Humidity Range		≤95% (No condensation)						
Operating Altitude		≤2000m						
System Cooling Method		Fan cooling						
Waterproof Rating		IP20						
Installation Place		Indoors						
Net Weight (kg)		≈1408						
Dimensions（mm）		1358*707*1555						
Storage Temperature(°C)		0~35						
Recommended Depth of Discharge (DOD)		90%						
Fire Protection System		Aerosol (optional)						
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)						
Warranty		5 Years(Under Warranty Terms)						
Energy Throughput[1]		133MWh	166MWh	200MWh	233MWh	266MWh	299MWh	333MWh
Certification		Cell: UL1973/CE/ROHS/MSDS/UN38.3						

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage product is designed for indoor applications and supports parallel operation (up to 4 clusters, with an optional active balancing function to further enhance battery consistency).However,the parallel operation function must use an industrial air conditioner that matches the PCS power and battery power for heat dissipation.Parallel operation requires the use of matching BMS control software and industrial air conditioners that match the required heat dissipation capacity of the product output power. Please contact our technical personnel for specific information, and after confirmation, upgrade and guide the operation of parallel operation. It is strictly prohibited to merge without authorization, as this operation will cause serious safety accidents). Unauthorized parallel connection is strictly prohibited, as such operation may result in severe safety incidents. The factory-default delivered software is the non-parallel version.For a system with 2 to 4 clusters operating in parallel,maintaining a 0.5C charge/discharge rate is permissible only when the thermal dissipation conditions fully comply with the design requirements. Any parallel configuration exceeding 4 clusters constitutes a special operating condition and must be handled exclusively by our technical specialists. Unauthorized operation beyond this limit is strictly prohibited。

*The selected inverter model must be compatible with the voltage range of this product.



Tower-X-HV-768V 314Ah

Battery Stackable Solution

The Tower-X-HV-768V 314Ah high-voltage energy storage rack is based on a modular design concept and consists of energy storage units, control units, heat dissipation modules, and fire suppression modules. It has the characteristics of high energy density, long life cycle, low self discharge rate, and environmental sustainability, make lithium battery energy storage rack products widely used in various energy storage.

Product Features:

- Safe and reliable Longer cycle life
- Flexible stacking installation
- Built in fan accelerates heat dissipation
- Smart BMS Big Power
- Exquisite craftsmanship Higher specific energy, more environmentally friendly
- Integrated design Convenient installation and higher efficiency
- Full Bracket Design Full space for each cell's best performance
- Freely stackable design, saving space and bracket costs.

Product Specification

Model		Tower-X-HV- 768V314Ah									
Main parameter											
Battery Type		LiFePO4									
Module Nominal Energy(kWh)		16.08									
Module Nominal Voltage (V)		51.2									
Rated Capacity(Ah)		314									
No. Of System Module Series Connections (Optional)		6	7	8	9	10	11	12	13	14	15
Rated Voltage Of the System(V)		307.2	358.4	409.6	460.8	512	563.2	614.4	665.6	716.8	768
System Working Voltage(V)		268.8 ~ 345.6	313.6 ~ 403.2	358.4 ~ 460.8	403.2 ~ 518.4	448 ~ 576	492.8 ~ 633.6	537.6 ~ 691.2	582.4 ~ 748.8	627.2 ~ 806.4	672 ~ 864
System Nominal Energy(kWh)		96.46	112.54	128.62	144.69	160.77	176.84	192.92	209	225.08	241.15
Discharge Energy Of The System (kWh)		92.6	108.04	123.48	138.9	154.34	169.77	185.20	200.64	216.08	231.5
Charge/ Discharge Current(A)	**Rated Current**	157									
	Max. Current	165									
	Overload Current	170(10sec,25°C)									
Status Indicator Light		Blue: Battery system start status, Green: Battery system operation status, Red:Battery system fault status									
Active Balancing		Optional									
Communication Protocol		CAN2.0									
Operating Temperature Range (°C)		Charge：0~ 50 / Discharge：-10~ 55									
Operating Humidity Range		≤95% (No condensation)									
Operating Altitude		≤2000m									
System Cooling Method		Fan cooling									
Waterproof Rating		IP20									
Installation Place		Indoors									
Net Weight (kg)		986	1104	1222	1340	1458	1576	1694	1812	1930	2048
Dimensions（mm）		1050*831*2070									
Storage Temperature(°C)		0~35									
Recommended Depth of Discharge (DOD)		90%									
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)									
Certification		Cell：UL1973/UL9540A/TUV/CE/MSDS/UN38.3									
Warranty		5 Years(Under Warranty Terms)									
Energy Throughput[1]		211MWh	246MWh	281MWh	317MWh	352MWh	387MWh	422MWh	458MWh	493MWh	528MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

PS: This energy storage product is designed for indoor use and supports parallel connection (It can connect to up to 4 battery clusters and supports optional installation of the newly added Active Balancing function, which further enhances the stability of the battery packs.) Parallel operation requires industrial air conditioners that match the PCS and battery output power for proper heat dissipation. Parallel connection is strictly prohibited without suitable cooling systems. (It must also be used with dedicated BMS control software, and the cooling capacity must meet system output requirements. Please contact our technical team for confirmation and guidance before any upgrade or parallel operation. Unauthorized paralleling is strictly forbidden and may cause serious safety risks.) The system is shipped by default without parallel functionality. <When operating in 2–4 cluster parallel mode, maintaining 0.5C charge/discharge current is only permitted if cooling conditions meet the design requirements. Any parallel operation involving more than 4 clusters is considered a special condition and must be handled under direct guidance from our technical engineers. Unauthorized operation is strictly prohibited.>

Tower-HV (GT) High-Voltage Energy Storage Solution

- Engineered for MWH-Scale and Above Projects
- Expand While Operating,Add Power Without Downtime



Product Features:

Higher Voltage Platforms
768V & 1331V options
for flexible PCS & grid integration

Strong Anti-Interference Design
Dedicated circuits ensure stable
communication in parallel clusters

Container Ready
High energy density,compatible
with 20FT/40FT container integration

Smart 3-Level BMS
Active balancing standard,
1% precision monitoring,
longer lifespan

Professional Scalability
Supports mixing old & new modules,
online expansion without
downtime, flexible investment

Full-Stack Safety
Cluster-level active
safety strategy,dedicated
combiner cabinet for peace of mind

Product Specification

Model		Tower-HV-1331V314Ah(GT)
Main parameter		
Battery Type		LiFePO4
Module Nominal Energy(kWh)		16.08
Module Nominal Voltage (V)		51.2
Rated Capacity(Ah)		314
No. Of System Module Series Connections (Optional)		26
Rated Voltage Of the System(V)		1331.2
System Working Voltage(V)		1164.8~1497.6
System Nominal Energy(kWh)		418
Discharge Energy Of The System (kWh)		401.27
Charge/ Discharge Current(A)	**Rated Current**	157
	Max. Current	165
	Overload Current	170(10sec,25°C)
Status Indicator Light		Blue: Battery system start status, Green: Battery system operation status, Red:Battery system fault status
Active Balancing		Optional
Communication Protocol		CAN2.0
Operating Temperature Range (°C)		Charging 0~50°C / Discharging -10~ 55°C
Operating Humidity Range		≤95% (No condensation)
Operating Altitude		≤2000m
System Cooling Method		Fan cooling
Waterproof Rating		IP20
Installation Place		Indoors
Net Weight (kg)		≈3317
Dimensions（mm）		1500*822*2360
Storage Temperature(°C)		0~35
Recommended Depth of Discharge (DOD)		90%
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)
Certification		Cell：UL1973/IEC62619/UL9540A/TUV/CE/MSDS/UN38.3
Warranty		5 Years(Under Warranty Terms)
Energy Throughput[1]		915MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

HV-BOX5-768 (Stackable)

Energy storage system

The HV-BOX5-768 (Stackable) is a scalable energy storage system equipped with 51.2V/314Ah LiFePO4 cells and a BMS with automotive-grade chips. Featuring a quick-connect design, it supports parallel expansion of up to 4 clusters and is designed for reliable residential and commercial backup applications.



Product Features:

Sleek Design, Quick Setup
Minimalist look with acrylic accent, plug-and-play installation in minutes.

Smart Parallel, Scalable Power
Daisy-chain communication supports 1 to 4 clusters, auto-recognition and addressing.

Efficient Cooling, Compact & Powerful
Three-side air intake, supports 1C peak discharge, excellent cooling in small footprint.

Dual Balancing, Life Extended
Standard real-time balancing + optional 2A active balancer for significantly longer cycle life.

Easy Maintenance, Upgrade Ready
Dedicated service access and balancer upgrade ports for future enhancements.

High-Capacity Core
51.2V 314Ah LiFePO4 cells, safe and stable with high energy density.

Product Specification

Product Model		HV-BOX5 Series				
Main Parameter						
Battery Type		LiFePO4				
Module Rated Energy(kWh)		16.08				
Module Rated Voltage(V)		51.2				
Rated Capacity(Ah)		314				
No. Of System Module In Series		7	9	11	13	15
System Rated Voltage(V)		358.4	460.8	563.2	665.6	768
System Operating Voltage(V)	Charge Voltage	403.2	518.4	633.6	748.8	864
	Discharge Voltage	313.6	403.2	492.8	582.4	672
System Nominal Energy (kWh)		112.54	144.69	176.84	209	241.15
System Dischargeable Energy (kWh)		108.04	138.9	169.77	200.64	231.5
Charge/ Discharge Current(A)	Rated Current	157				
	Max. Current	165				
	Overload Current	170(10sec,25°C)				
Status Indicator Light		Blue: energy storage system start status, Green: energy storage system operation status, Red: energy storage system fault status				
With Active Balancing Or Not		Optional				
Communication Protocol		CAN2.0				
Working Temperature Range (°C)		Charging 0~50°C / Discharging -10~ 55°C				
Working Humidity Range		≤95% (No condensation)				
Working Altitude		≤2000m				
System Cooling Method		Fan cooling				
Waterproof Rating		IP20				
Installation Place		Indoors				
Weigt(kg)		965	1225	1485	1745	2005
Max. Dimension(mm)		940*836*2116				
Storage Temperature(°C)		0~35				
Recommended Discharge Depth		90%				
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)				
Certification		Cell:UL1973/IEC62619/UL9540A/TUV/CE/UN38.3				
Warranty		5 Years(Under Warranty Terms)				
Energy Throughput[1]		246MWh	317MWh	387MWh	458MWh	528MWh

[1] Conditions apply, refer to GENIXGREEN Waranty Letter.

PS: This energy storage product is designed for indoor energy storage, therefore it supports parallel operation (up to 4 clusters of parallel operation, with the option of adding active balancing to further improve battery consistency). However, the parallel operation must use an industrial air conditioner that matches the PCS power and battery power for heat dissipation. Air conditioners without matching power are prohibited from parallel operation (parallel operation requires the use of matching BMS control software and industrial air conditioners that match the required heat dissipation capacity of the product output power). Please contact our technical personnel for specific information, and after confirmation, upgrade and guide the operation of parallel operation. It is strictly prohibited to merge without authorization, as this operation will cause serious safety accidents. The default shipping software is the non parallel version. When the system is running in parallel with 2 to 4 clusters, if it needs to maintain a 0.5C current for charging and discharging, it must be based on the premise that the heat dissipation conditions meet the design requirements. Any parallel operation exceeding 4 clusters is a special working condition and must be handled by our technical personnel. Unauthorized operation is strictly prohibited.



Magic 112kWh Outdoor Energy

Magic 112kWh features a modular design, combining lithium iron phosphate batteries, racks, BMS, PCS, air-conditioning, temperature control, fire detection, and automatic extinguishing. It boasts safety, reliability, rapid deployment, cost-efficiency, high energy efficiency, and intelligent management.

Product Features:

Full Bracket Design
Full space for each cell's best performance

Integrated design
Convenient installation and higher efficiency.

Smart and friendly
WiFi remote Monitoring

Smart BMS
high power

Exquisite craftsmanship
Higher specific energy, more environmentally friendly

Safe and reliable
Longer cycle life

Product Specification

Model		Magic 112kWh
Main Parameter		
Battery Type		LiFePO4
Module Nominal Energy (kWh)		16
Module Mini. Energy (kWh)		15.5
Module Nominal Voltage (V)		76.8
Rated Capacity (Ah)		206
No. Of System Module In Series		7
System Rated Voltage (V)		537.6
System Operating Voltage (V)		470.4~604.8
System Nominal Energy (kWh)		112
System Mini. Discharge Energy (kWh)		106.31
Charge/ Discharge Current(A)	**Rated Current**	120
	Max. Current	130
	Overload Current	150(10sec,25°C)
Status Indicator Light		Blue: energy storage system start status, green: energy storage system operation status, red: energy storage system fault status
Communication Protocol		CAN2.0
Working Temperature Range (°C)		Charging 0~50°C / Discharging -10~ 55°C
Working Humidity Range		≤95% (No condensation)
Working Altitude		≤2000m
System Cooling Method		Air cooling
Waterproof Rating		IP55
Installation Place		Outdoors
Weigt(kg)		1600
Max. Dimension(mm)		1090*1050*2230
Storage Temperature(°C)		0~35
Recommended Discharge Depth		90%
System Composition		BMS System, Fire suppression system. Air cooling unit. Cabinet, PCS system
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)
Certification		Cell: UL1973/CE/ROHS/MSDS/UN38.3/Full Container Load (FCL)
Warranty		5 Years(Under Warranty Terms)
Energy Throughput[1]		245MWh

[1] Conditions apply, refer to GENIXGREEN Waranty Letter.

Magic61/71/102/122/143kWh

Outdoor Energy Storage All-in-one Cabinet

Magic61/71/102/122/143kWh features a modular design, combining lithium iron phosphate batteries, racks, BMS, PCS, air-conditioning,temperature control, fire detection, and automatic extinguishing. It boasts safety, reliability, rapid deployment, cost-efficiency, high energy efficiency, and intelligent management.



Product Features:

- Safe and reliable Longer cycle life
- Remote Monitoring Self-developed APP
- Built in fan accelerates heat dissipation
- Smart BMS Big Power
- Exquisite craftsmanship Higher specific energy, more environmentally friendly
- Integrated design Convenient installation and higher efficiency
- Full Bracket Design Full space for each cell's best performance
- Smart and friendly WiFi Remote monitoring

Product Specification

Model		Magic 61	Magic71	Magic 102	Magic 122	Magic 143
Main parameter						
Battery Type		LiFePO4				
Rated Energy(Ah)		100		200 (After parallel connection)		
No. Of System Modules In Series (Optional)		6	7	5S2P	6S2P	7S2P
System Rated Voltage(V)		614.4	716.8	512	614.4	716.8
System Operating Voltage range(V)		537.6~691.2	627.2~806.4	448~576	537.6~691.2	627.2~806.4
System Nominal Energy(kWh)		61.44	71.68	102.44 (After paralle connection)	122.88 (After parallel connection)	143.36 (After parallel connection)
Dischargeable Energy Of The System(kWh)		58.98	68.81	98.34 (After parallel connection)	117.96 (After papallel connection)	137.62 (After parallel connection)
Charge/ Discharge Current(A)	Rated Current	50		50*2		
	Max. Current	100		100*2		
	Overload Current	115(10sec,25°C)		115(10sec,25°C) *2		
Output Voltage (AC Side)		400V@AC				
PCS Matching Power (kW)		50		50/100		
Status Indicator Light		Blue: energy storage system start status, Green: energy storage system operation status, Red: energy storage system fault status				
Communication Protocol		CAN2.0				
Working Temperature Range(°C)		Charging 0~50°C / Discharging -10~ 55°C				
Working Humidity Range		≤95% (No condensation)				
Working Altitude		≤2000m				
System Cooling Method		Air cooling				
Waterproof Level		IP55				
Fire Suppression System		Aerosol		Hot air aerosol (optional)		
Weight(kg)		≈900	≈1000	≈1100	≈1250	≈1400
Max. Dimension(mm)		1066*1274*1675		2000*1274*1680		
Storage Temperature(°C)		0~35				
Recommended Discharge Depth		90%				
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)				
System Composition		BMS System,Firesuppression system,Air cooling unit,Cabinet,PCS system				
Certification		Cell: UL1973/IEC62619/CE/ROHS/MSDS/UN38.3				
Warranty		5 Years(Under Warranty Terms)				
Energy Throughput[1]		135MWh	157MWh	224MWh	269MWh	314MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

This product is compatible with 50kW inverters: Deye, Solis, Solinteg, Growatt, Megarevo and Sosen.

Deye | solis | SOLINTEG | GROWATT | MEGAREVO | SOSEN



Ultra-Large Capacity (71kWh): Meets higher energy storage demands, reduces the number of devices required, and is suitable for large-scale applications.
Outdoor Protection (IP55): Waterproof and dustproof, adaptable to various outdoor environments.
Integrated Design: Combines battery modules, BMS, temperature control, and more, enabling easy installation and space-saving.

Product Features:

- Support 6-7PCS battery modules connected in series, flexible extension
- OTA Remote upgrade, simple maintenance
- Intelligently identify the master-slave batteries without DIP address
- Compact design to meet the needs of various scenarios, easy to transport and install
- Easy connection for WiFi remotely monitoring system anytime and anywhere
- Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate
- BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years
- When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Product Specification

Model		G-CUBE 61	G-CUBE 71
Main Parameters			
Battery Type		LiFePO4	
Rated Capacity(Ah)		100	
No. of System Module Series Connections(Optional)		6	7
System Rated Voltage (V)		614.4	716.8
System Operation Voltage(V)	Charge voltage	691.2	806.4
	Discharge voltage	537.6	627.2
System Nominal Energy(kWh)		61.44	71.68
System Discharge Energy (kWh)		58.98	68.81
Charge / Discharge Current(A)	Rated Current	50	
	Max. Current	100	
	Overload Current	115(10sec，25°C)	
Output Terminal Voltage (AC side)		400V@AC	
PCS Matching Power (kW)		50	
Status Indicator Light		Blue: energy storage system start status, Green: energy storage system operation status, Red: energy storage system fault status	
Communication Protocol		CAN2.0	
Operating Temperature Range(°C)		Charging 0~50°C / Discharging -10~ 55°C	
Operating Humidity Range		≤95% (No Condensation)	
Operating Alitude		≤2000m	
System Cooling Method		Air Cooling	
Waterproof Rating		IP55	
Fire Fighting System		Aerosol (optional in module)	
Installation Place		Outdoors	
Net Weight(kg)		≈780	≈870
Max. Size(mm)		1020*1080*1786	
Storage Temperature(°C)		0~35	
Recommended Depth of Discharge(DOD)		90%	
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)	
System Composition		BMS management system, fire protection system, air-cooled unit, cabinet, PCS system	
Certification		Cell: UL1973/IEC62619/UL9540A/TUV/CE/UN38.3	
Warranty		5 Years(Under Warranty Terms)	
Energy Throughput[1]		135MWh	157MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

This product is compatible with 50kW inverters: Deye, Solis, Solinteg, Growatt, Megarevo and Sosen.

Deye | solis | SOLINTEG | GROWATT | MEGAREVO | SOSEN



G-CUBE 96kWh

Outdoor Energy Storage System

High Energy Density (96kWh): Large-capacity design meets long-duration energy storage needs,reducing the number of devices required.
Outdoor Protection (IP55): Waterproof and dustproof, suitable for various outdoor environments. Integrated Design: Combines battery modules, BMS, temperature control, and more, enabling easy installation and space-saving.
Recommended Application Order: PV System Energy Storage; Commercial Peak Shaving; Premium Residential Energy Independence.

Product Features:

- Support 4-6PCS battery modules connected in series, flexible extension
- OTA Remote upgrade, simple maintenance
- Intelligently identify the master-slave batteries without DIP address
- Compact design to meet the needs of various scenarios, easy to transport and install
- Easy connection for WiFi remotely monitoring system anytime and anywhere
- Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate
- BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years
- When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Product Specification

Model		G-CUBE 96kWh		
Main Parameters				
Bettery type		LiFePO4		
Module nominal energy(kWh)		16		
Module minimun energy (kWh)		15.5		
Module nominal voltage(V)		76.8		
Rated capacity(Ah)		206		
No. of System module series connections(optional)		4	5	6
Rated Voltage of the system(V)		307.2	384	460.8
System Operation Voltage(V)	Charge voltage	345.6	432	518.4
	Discharge voltage	268.8	336	403.2
System nominal energy(kWh)		64	80	96
Mini. discharge energy of the system (kWh)		60.74	75.93	91.12
Charge / Discharge current(A)	Rated Current	120		
	Max. Current	130		
	Overload Current	150(10sec,25°C)		
Status indicator light		Blue:Battery system starts status;Green:Battery system operation status; Red: Battery system fault status		
Communication Protocol		CAN2.0		
Working temperature range(°C)		Charging 0~50°C / Discharging -10~ 55°C		
Working humidity range		≤95% (No Condensation)		
Working Alitude		≤2000m		
System Cooling Method		Air cooling		
Waterproof Grade		IP55		
Installation Place		Outdoor		
Net Weight(kg)		1100	1225	1350
Dimension(mm)		1079*1166*2157		
Storage Temperature(°C)		0~35		
Recommended Discharge Depth		90%		
System Composition		BMS management system, fire protection system, air-cooled unit, cabinet, PCS system		
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)		
Certification		Cell: UL1973/CE/ROHS/MSDS/UN38.3/Full Container Load (FCL)		
Warranty		5 Years(Under Warranty Terms)		
Energy Throughput[1]		133MWh	166MWh	200MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

This product is compatible with 50kW inverters: Solis, Solinteg, Deye

G-CUBE 143kWh

Outdoor Energy Storage System

Ultra-Large Capacity (143kWh): Meets higher energy storage demands, reduces the number of devices required, and is suitable for large-scale applications.
Outdoor Protection (IP55): Waterproof and dustproof, adaptable to various outdoor environments.
Integrated Design: Combines battery modules, BMS, temperature control, and more, enabling easy installation and space-saving.



Product Features:

- OTA Remote upgrade, simple maintenance
- Intelligently identify the master-slave batteries without DIP address
- Compact design to meet the needs of various scenarios, easy to transport and install
- Easy connection for WiFi remotely monitoring system anytime and anywhere
- Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate
- BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years
- When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Product Specification

Model		G-CUBE 122	G-CUBE 143
Main Parameters			
Battery Type		LiFePO4	
Module Nominal Energy(kWh)		10.24	
Rated Capacity(Ah)		200 (After paralleling)	
No. of System Module Series Connections(Optional)		6	7
System Rated Voltage (V)		614.4	716.8
System Operation Voltage(V)	Charge voltage	691.2	806.4
	Discharge voltage	537.6	627.2
System Nominal Energy(kWh)		122.88(After paralleling)	143.36(After paralleling)
System Discharge Energy (kWh)		117.96(After paralleling)	137.62(After paralleling)
Charge / Discharge Current(A)	Rated Current	50	
	Max. Current	100	
	Overload Current	115(10sec，25°C)	
Output Terminal Voltage (AC side)		400V@AC	
Status Indicator Light		Blue: energy storage system start status, Green: energy storage system operation status, Red: energy storage system fault status	
Communication Protocol		CAN2.0	
Operating Temperature Range(°C)		Charging 0~50°C / Discharging -10~ 55°C	
Operating Humidity Range		≤95% (No Condensation)	
Operating Alitude		≤2000m	
System Cooling Method		Air Cooling	
Waterproof Rating		IP55	
Fire Fighting System		Aerosol	
Installation Place		Outdoor	
Net Weight(kg)		≈1580	≈1760
Max. Size(mm)		1665*1090*1782	
Storage Temperature(°C)		0~35	
Recommended Depth of Discharge(DOD)		90%	
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)	
Certification		Cell: UL1973/IEC62619/UL9540A/TUV/CE/UN38.3	
Warranty		5 Years(Under Warranty Terms)	
Energy Throughput[1]		269MWh	314MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

This product is compatible with 50kW inverters: Deye, Solis, Solinteg, Growatt, Megarevo.

G-CUBE 160B kWh

Outdoor Energy Storage System

Ultra-Large Capacity (160kWh): Meets higher energy storage demands, reduces the number of devices required, and is suitable for large-scale applications.
Outdoor Protection (IP55): Waterproof and dustproof, adaptable to various outdoor environments.
Integrated Design: Combines battery modules, BMS, temperature control, and more, enabling easy installation and space-saving.



Product Features:

- OTA Remote upgrade, simple maintenance
- Intelligently identify the master-slave batteries without DIP address
- Compact design to meet the needs of various scenarios, easy to transport and install
- Easy connection for WiFi remotely monitoring system anytime and anywhere
- Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate
- BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years
- When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Product Specification

Model		G-CUBE 160B			
Main Parameters					
Battery Type		LiFePO4			
Module Nominal Energy(kWh)		16.08			
Module Nominal Voltage(V)		51.2			
Rated Capacity(Ah)		314			
No. of System Module Series Connections(Optional)		7	8	9	10
System Rated Voltage (V)		358.4	409.6	460.8	512
System Operation Voltage(V)	**Charge voltage**	403.2	460.8	518.4	576
	Discharge voltage	313.6	358.4	403.2	448
System Nominal Energy(kWh)		112.54	128.62	144.69	160.77
System Discharge Energy (kWh)		108.04	123.48	138.9	154.34
Charge / Discharge Current(A)	**Rated Current**	157			
	Max. Current	165			
	Overload Current	170(10 sec，25°C)			
Status Indicator Light		Blue: PCS system working status, Green: battery system running status, Red: battery system fault status			
Communication Protocol		CAN2.0			
Operating Temperature Range(°C)		Charge：0~ 55 / Discharge：-10~ 55			
Operating Humidity Range		≤95% (No Condensation)			
Operating Alitude		≤2000m			
System Cooling Method		Air Cooling			
Waterproof Rating		IP55			
Fire Fighting System		Hot aerosol(optional in module)			
Net Weight(kg)		≈1645			
Max. Size(mm)		1395*1080*1850			
Storage Temperature(°C)		0~35			
Recommended Depth of Discharge(DOD)		90%			
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)			
System Composition		BMS management system, fire protection system, air-cooled unit, cabinet, PCS system			
Certification		Cell：UL1973/IEC62619/UL9540A/TUV/CE/UN38.3			
Warranty		5 Years(Under Warranty Terms)			
Energy Throughput[1]		361MWh			

[1] Conditions apply, refer to GENIXGREEN warranty letter.

This product is compatible with 50kW inverters: Deye, Solis, Solinteg, Growatt, Megarevo.

G-CUBE 160kWh

Outdoor Energy Storage System

Ultra-Large Capacity (160kWh): Meets higher energy storage demands, reduces the number of devices required, and is suitable for large-scale applications.
Outdoor Protection (IP55): Waterproof and dustproof, adaptable to various outdoor environments.
Integrated Design: Combines battery modules, BMS, temperature control, and more, enabling easy installation and space-saving.



Product Features:

- Support 7-10PCS battery modules connected in series, flexible extension
- OTA Remote upgrade, simple maintenance
- Intelligently identify the master-slave batteries without DIP address
- Compact design to meet the needs of various scenarios, easy to transport and install
- Easy connection for WiFi remotely monitoring system anytime and anywhere
- Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate
- BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years
- When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Product Specification

Model		G-CUBE 160			
Main Parameters					
Bettery Type		LiFePO4			
Module Nominal Energy(kWh)		16			
Module Mini. Energy (kWh)		15.5			
Module Nominal Voltage(V)		76.8			
Rated Capacity(Ah)		206			
No. Of System Module Series Connections(Optional)		7	8	9	10
Rated Voltage Of The System(V)		537.6	614.4	691.2	768
System Working Voltage(V)		470.4~604.8	537.6~691.2	604.8~777.6	672~864
System Nominal Energy(kWh)		112	128	144	160
Mini. Discharge Energy Of The System (kWh)		106.31	121.49	136.68	151.87
Charge / Discharge Current(A)	**Rated Current**	120			
	Max. Current	130			
	Overload Current	150(10sec,25°C)			
Status Indicator Light		Blue:Battery system starts status;Green:Battery system operation status; Red: Battery system fault status			
Communication Protocol		CAN2.0			
Working Temperature range(°C)		Charge：0~ 55 / Discharge：-10~ 55			
Working humidity range		≤95%(No Condensation)			
Working Alitude		≤2000m			
System Cooling Method		Air cooling			
Waterproof Grade		IP55			
Installation Place		Indoor/Outdoor			
Net Weight(kg)		1675	1800	1925	2050
Dimension(mm)		1789*1169*1792			
Storage Temperature(°C)		0~35			
Recommended Discharge Depth		90%			
Fire Protection System		Aerosol (optional in module)			
System Composition		BMS management system, fire protection system, air-cooled unit, cabinet, PCS system			
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)			
Certification		Cell: UL1973/IEC62619/CE/ROHS/MSDS/UN38.3			
Warranty		5 Years(Under Warranty Terms)			
Energy Throughput[1]		245MWh	280MWh	315MWh	350MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

This product is compatible with 50-100kW inverters: Deye, Solis, Solinteg, Growatt, Megarevo and Sosen.

Deye | solis | SOLINTEG | Growatt | MEGAREVO | SOSEN INNOVATION

G-CUBE 241kWh/G-CUBE 241+125kWh

Outdoor Energy Storage System

Ultra-Large Capacity (241kWh): Meets higher energy storage demands, reduces the number of devices required, and is suitable for large-scale applications.
Outdoor Protection (IP55): Waterproof and dustproof,adaptable to various outdoor environments.
Integrated Design: Combines battery modules, BMS,temperature control, and more, enabling easy installation and space-saving.



Product Features:

OTA Remote upgrade, simple maintenance

Compact design to meet the needs of various scenarios, easy to transport and install

Easy connection for WiFi remotely monitoring system anytime and anywhere

Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate

BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years

When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Product Specification

Model		G-CUBE 241	G-CUBE 241+125
Main Parameter			
Battery Type		LiFePO4	
Rated Capacity(Ah)		314	
No. Of System Module In Series		15	
System Rated Voltage (V)		768	
System Operating Voltage (V)		672~864	
System Nominal Energy (kWh)		241.15	
System Dischargeable Energy (kWh)		231.5	
Charge/ Discharge Current(A)	Rated Current	157	
	Max. Current	165	
	Overload Current	170(10sec,25°C)	
Communication Protocol		CAN2.0	
Working Temperature Range (°C)		Charging 0~50°C / Discharging -10~ 55°C	
Working Humidity Range		≤95% (No condensation)	
Working Altitude		≤4000m	
System Cooling Method		Air cooling	
Waterproof Rating		IP55	
Fire Suppression System		Aerosol	
Weigt(kg)		≈2325kg	≈2495kg
Max. Dimension(mm)		1080*1030*2500	1174*1480*2460
Storage Temperature(°C)		0~35	
Recommended Discharge Depth		90%	
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)	
System Composition		BMS, Fire Suppression System, Air Cooling Unit, Cabinet, PCS	
Certification		Cell: UL1973/IEC62619/CE/ROHS/MSDS/UN38.3/Full Container Load (FCL)	
Warranty		5 Years(Under Warranty Terms)	
Energy Throughput[1]		528MWh	

[1] Conditions apply, refer to GENIXGREEN Waranty Letter.

Magic-02L-261

Energy Storage System

Magic-02L-261 Liquid-cooled Energy Storage System: Intelligent liquid cooling ensures safety and reliability. Modular design enables easy expansion, supports high-efficiency PV-storage matching, and allows flexible capacity scaling up to 1MWh.



Product Features:

High-level Safety Protection

Equipped with pressure monitoring, three-stage fire suppression, active discharge, and explosion-proof design, providing comprehensive safety coverage.

Intelligent Precision Temperature Control

Utilizes smart liquid cooling technology to achieve cluster-level precise temperature control, with system temperature variation below 3°C.

Extremely Simplified Maintenance

Fully modular design and pre-maintenance planning significantly reduce on-site operational complexity.

High Environmental Adaptability

The system features C4 corrosion resistance and IP55 protection for both PACK and PCS, making it suitable for various harsh indoor and outdoor environments.

High-efficiency PV-Storage Matching

PV-to-storage ratio reaches 0.7:1, significantly improving green energy charging efficiency.

Flexible Expansion Capability

A single unit supports 240kW, with up to 4 units connectable in parallel, allowing system expansion up to 1MWh.

Product Specification

Model		Magic-02L-261
Main Parameter		
Battery Type		LiFePO4
Module Energy(kWh)		52.25
Module Rated Voltage(V)		166.4
Rated Capacity(Ah)		314
No. Of System Module In Series		5
System Rated Voltage(V)		832
System Operating Voltage(V)	Charge Voltage	936
	Discharge Voltage	728
System Nominal Energy (kWh)		261.25
System Dischargeable Energy (kWh)		250.8
Charge/ Discharge Current(A)	Rated Current	157
	Max. Current	165
	Overload Current	170(3sec,25°C)
Status Indicator Light		Blue: energy storage system start status, Green: energy storage system operation status, Red: energy storage system fault status
Communication Protocol		CAN2.0
Working Temperature Range (°C)		Charge：0~ 50/Discharge：-10~ 55
Working Humidity Range		≤95% (No condensation)
Working Altitude		≤2000m
System Cooling Method		Liquid Cooling
Waterproof Rating		IP55
Installation Place		Indoors/Outdoors
Weigt(kg)		2650
Dimension(W*D*H mm)		1070*1412*2180
Storage Temperature(°C)		25~35
Recommended Discharge Depth		90%
System Composition		BMS, Fire Suppression System, Air Cooling Unit, Cabinet, PCS
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)
Certification		Cell:UL1973/IEC62619/UL9540A/TUV/CE/UN38.3/Full Container Load (FCL)
Warranty		5 Years(Under Warranty Terms)
Energy Throughput[1]		572MWh

[1] Conditions apply, refer to GENIXGREEN Waranty Letter.



Magic-03L-261

Energy Storage System

Magic-03L-261 Liquid-cooled Energy Storage System: Intelligent liquid cooling ensures safety and reliability. Modular design enables easy expansion, supports high-efficiency PV-storage matching, and allows flexible capacity scaling up to 1MWh.

Product Features:

High-level Safety Protection

Equipped with pressure monitoring, three-stage fire suppression, active discharge, and explosion-proof design, providing comprehensive safety coverage.

Intelligent Precision Temperature Control

Utilizes smart liquid cooling technology to achieve cluster-level precise temperature control, with system temperature variation below 3°C.

Extremely Simplified Maintenance

Fully modular design and pre-maintenance planning significantly reduce on-site operational complexity.

High Environmental Adaptability

The system features C4 corrosion resistance and IP55 protection for both PACK and PCS, making it suitable for various harsh indoor and outdoor environments.

High-efficiency PV-Storage Matching

PV-to-storage ratio reaches 0.7:1, significantly improving green energy charging efficiency.

Flexible Expansion Capability

A single unit supports 240kW, with up to 4units connectable in parallel, allowing system expansion up to 1MWh.

Product Specification

Model		Magic-03L-261
Main Parameter		
Battery Type		LiFePO4
Module Energy(kWh)		52.25
Module Nominal Voltage(V)		166.4
Rated Capacity(Ah)		314
No. Of System Module In Series		5
System Rated Voltage(V)		832
System Operating Voltage(V)	Charge Cut-off Voltage	936
	Discharge Cut-off Voltage	728
System Nominal Energy (kWh)		261.25
Min. Discharge Energy of the System(kWh)		250.8
Charge/ Discharge Current(A)	Rated Current	157
	Max. Current	165
	Overload Current	170(3 sec,25°C)
Status Indicator Light		Blue: PCS System Operation Status. Green: energy storage system operation status. Red: energy storage system fault status
Communication Protocol		CAN2.0
Working Temperature Range (°C)		Charge：0~ 50 / Discharge：-10~ 55
Working Humidity Range		≤95% (No condensation)
Working Altitude		≤2000m
System Cooling Method		Liquid Cooling
Waterproof Rating		IP55
Installation Place		Indoors/Outdoors
Weigt(kg)		2800
Dimension(W*D*H mm)		1013*1556*2180
Storage Temperature(°C)		25~35
Recommended Discharge Depth		90%
System Composition		BMS、Fire Suppression System、Liquid Cooling Unit、Cabinet、PCS、STS
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)
Certification		Cell:UUL1973/IEC62619/UL9540A/TUV/CE/UN38.3
Warranty		5 Years(Under Warranty Terms)
Energy Throughput [1]		572MWh

[1] Conditions apply, refer to GENIXGREEN Waranty Letter.

G-CUBE-02L-261

Energy Storage System

G-CUBE-02L-261 Liquid-cooled Energy Storage System: Intelligent liquid cooling ensures safety and reliability. Modular design enables easy expansion, supports high-efficiency PV-storage matching, and allows flexible capacity scaling up to 1MWh.



Product Features:

High-level Safety Protection

Equipped with pressure monitoring, three-stage fire suppression, active discharge, and explosion-proof design, providing comprehensive safety coverage.

Intelligent Precision Temperature Control

Utilizes smart liquid cooling technology to achieve cluster-level precise temperature control, with system temperature variation below 3°C.

Extremely Simplified Maintenance

Fully modular design and pre-maintenance planning significantly reduce on-site operational complexity.

High Environmental Adaptability

The system features C4 corrosion resistance and IP55 protection for both PACK and PCS, making it suitable for various harsh indoor and outdoor environments.

High-efficiency PV-Storage Matching

PV-to-storage ratio reaches 0.7:1, significantly improving green energy charging efficiency.

Flexible Expansion Capability

A single unit supports 240kW, with up to 4units connectable in parallel, allowing system expansion up to 1MWh.

Product Specification

Model		G-CUBE-02L-261
Main Parameter		
Battery Type		LiFePO4
Module Energy(kWh)		52.25
Module Nominal Voltage(V)		166.4
Rated Capacity(Ah)		314
No. Of System Module In Series		5
System Rated Voltage(V)		832
System Operating Voltage(V)	Charge Cut-off Voltage	936
	Discharge Cut-off Voltage	728
System Nominal Energy (kWh)		261.25
Min. Discharge Energy of the System(kWh)		250.8
Charge/ Discharge Current(A)	Rated Current	157
	Max. Current	165
	Overload Current	170(3 sec,25°C)
Status Indicator Light		Blue: PCS System Operation Status. Green: energy storage system operation status. Red: energy storage system fault status
Communication Protocol		CAN2.0
Working Temperature Range (°C)		Charge：0~ 50 / Discharge：-10~ 55
Working Humidity Range		≤95% (No condensation)
Working Altitude		≤2000m
System Cooling Method		Liquid Cooling
Waterproof Rating		IP55
Installation Place		Outdoors
Weigt(kg)		2850
Dimension(W*D*H mm)		1450*1362*2170
Storage Temperature(°C)		25~35
Recommended Discharge Depth		90%
System Composition		BMS、Fire Suppression System、Liquid Cooling Unit、Cabinet、PCS
Cycle Life		≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)
Certification		Cell:UL1973/IEC62619/UL9540A/TUV/CE/UN38.3
Warranty		5 Years(Under Warranty Terms)
Energy Throughput [1]		572MWh

[1] Conditions apply, refer to GENIXGREEN Waranty Letter.

HV Energy Storage System

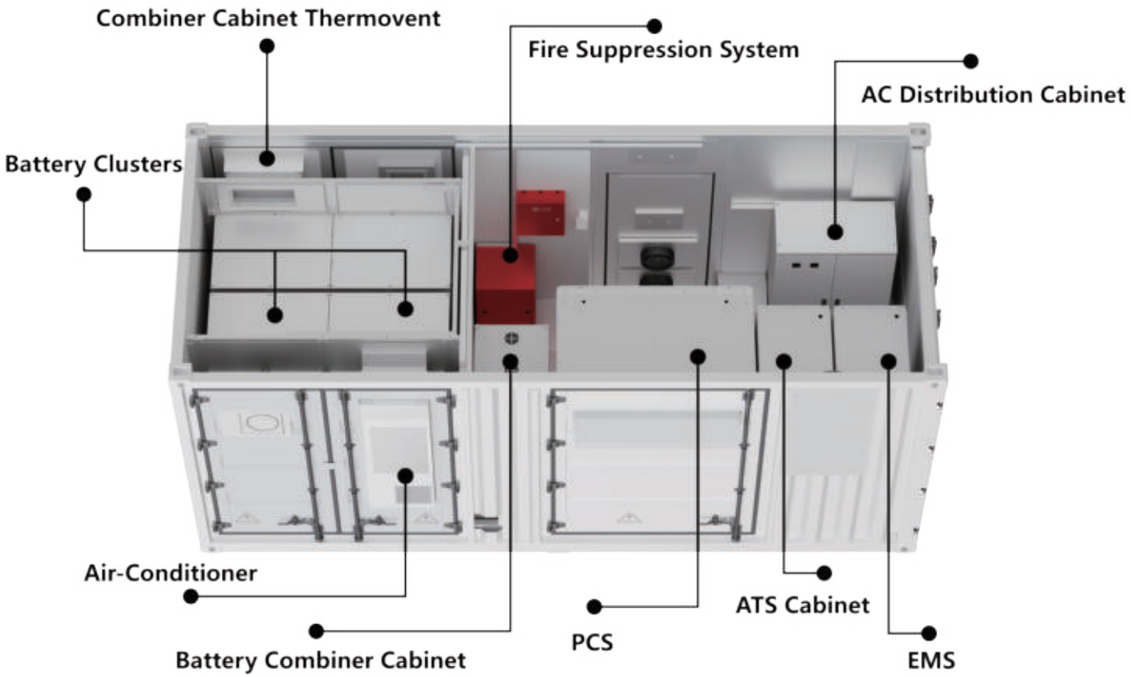
20/40 Feet Commercial & Industrial BESS Container

723kWh/964kWh/1.205MWh/2.41MWh



HV Energy Storage System

20/40 Feet Commercial & Industrial BESS Container



Product Features:

High Efficiency 97.6%
With cooling system ensures higher efficiency and longer battery cycle life.

Various Application Solutions
Variety of applications are supported such as peak-shift, peak-cut, frequency regulation, etc.

Easy Installation
Highly integrated ESS for easy transportation and O&M
All pre-assembled, no battery module handling on site.

Safety and Reliable
Multi-level battery protection layers formed by discreet standalone systems offer impeccable safety.

Titan-723kWh+250kW

20 Feet Commercial & Industrial BESS

Product Model	Titan-723kWh+250kW
Battery Side Parameters	
Cell Parameters	3.2V314Ah LFP
Pack Parameters	1P16S
Battery Cluster	1P16S*15
System Combination	3*1P240S
Rated Energy	723kWh
Rated Voltage	768V
Operating Voltage Range	720-850V
Rated Multiplier	0.5P
Photovoltaic Side Parameters	
Rated Voltage	600V
Rated Current	100A
MPPT Max. Range	420-850V
MPPT Rated Power	50kW
Number Of MPPT Channels	5
AC Side Parameters	
Output Power	250kW
Rated Voltage	380/400V 3W+N+PE
Rated Frequency	50HZ
Response Time	20ms
Conversion Efficiency	98%
System Parameters	
Operating Temperature Range	Charge: 0~55°C / Discharge: -10~60°C
Operating Humidity Range	5-85%RH
Depth Of Discharge	80-90%
Cycle Life	≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)
Protection Grade	IP55
System Cycle Efficiency	≥90%@AC
Cooling Method	Air cooling
Fire Protection System	Perfluorohexanone
Dimension	20FT
Certification	Cell:UL1973/IEC62619/UL9540A/TUV/CE
800A DC Battery Combiner Cabinets	
Product Model	1500V DC 800A * 1 PCS
Max. Working Voltage	1500V
Max. Charge/Discharge Current	800A
PCS Power	250kW-500kW
Communication Mode	TCP/485/CAN/232
Operating Temperature Range	Charge: 0~55°C / Discharge: -10~60°C
Operating Humidity Range	5-85%RH
Protection Grade	IP20
Fire Protection System	Aerosol
Dimension	600*623*1755mm

Titan-964kWh+500kW/1.205MWh+500kW

20 Feet Commercial & Industrial BESS

Product Model	Titan-964kWh+500kW	Titan-1.205MWh+500kW
Battery Side Parameters		
Cell Parameters	3.2V314Ah LFP	
Pack Parameters	1P16S	
Battery Cluster	1P16S*15	
Rated Voltage	768V	
Operating Voltage Range	720-850V	
System Combination	4*1P240S	5*1P240S
Rated Energy	964kWh	1.205MWh
Rated Multiplier	0.6P	0.5P
Photovoltaic Side Parameters		
MPPT module rated power	50kW/single	
Max. PV power	600/660/720V	
Number of MPPT modules	10/11/12	
MPPT voltage range	250-600V	
MPPT full load voltage range	450-600V	
AC Side Parameters		
Output Power	500kW	
Rated Voltage	380/400V 3W+N+PE	
Rated Frequency	50HZ	
Response Time	20ms	
Conversion Efficiency	98%	
System Parameters		
Operating Temperature Range	Charge: 0~55°C / Discharge: -10~60°C	
Operating Humidity Range	5-85%RH	
Depth Of Discharge	80-90%	
Cycle Life	≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)	
Protection Grade	IP55	
System Cycle Efficiency	≥90%@AC	
Cooling Method	Air cooling	
Fire Protection System	Perfluorohexanone	
Dimension	20FT	
Certification	Cell:UL1973/IEC62619/UL9540A/TUV/CE	
DC Battery Combiner Cabinets		
Product Model	1500V DC 800A * 1 PCS	
Max. Working Voltage	1500V	
Max. Charge/Discharge Current	800A	
PCS Power	250kW-500kW	
Communication Mode	TCP/485/CAN/232	
Operating Temperature Range	Charge: 0~55°C / Discharge: -10~60°C	
Operating Humidity Range	5-85%RH	
Protection Grade	IP20	
Fire Protection System	Aerosol	
Dimensions	600*623*1755mm	

Titan -2.41MWh+1MW

40 Feet Commercial & Industrial BESS

Product Model	Titan-2.41MWh+1MW
Battery Side Parameters	
Cell Parameters	3.2V314Ah LFP
Pack Parameters	1P16S
Battery Cluster	1P16S*15
System Combination	2*5*1P240S
Rated Energy	2.41MWh
Rated Voltage	768V
Operating Voltage Range	720-850V
Rated Multiplier	0.6P
Photovoltaic Side Parameters	
Rated Voltage	600V
Rated Current	100A
MPPT Max. Range	420-850V
MPPT Rated Power	50kW
Number Of MPPT Channels	2*10
AC Side Parameters	
Output Power	1MW
Rated Voltage	380/400V 3W+N+PE
Rated Frequency	50HZ
Response Time	20ms
Conversion Efficiency	98%
System Parameters	
Operating Temperature Range	Charge: 0~55°C / Discharge: -10~60°C
Operating Humidity Range	5-85%RH
Depth Of Discharge	80-90%
Cycle Life	≥10000 Cycles (25°C±2°C, 0.35C, 80%DOD@65%EOL)
Protection Grade	IP55
System Cycle Efficiency	≥90%@AC
Cooling Method	Air cooling
Fire Protection System	Perfluorohexanone
Dimension	40FT
Certification	Cell:UL1973/IEC62619/UL9540A/TUV/CE
1600A DC Battery Combiner Cabinets	
Product Model	1500V DC 1600A *1 PCS
Max. Working Voltage	1500V
Max. Charge/Discharge Current	1600A
PCS Power	500kW-1000kW
Communication Mode	TCP/485/CAN/232
Operating Temperature Range	Charging: 0~55℃ / Discharging: -10~60℃
Operating Humidity Range	5-85%RH
Protection Grade	IP20
Fire Protection System	Aerosol
Dimension	600*323*2084mm

Project Case



Small-scale commercial and industrial energy storage systems










Project Case

Integrated household storage,
light storage, and charging













Project Case

South Africa Commercial

Battery: 860kWh total, single module 51.2V 280Ah
PCS: 250kW Megarevo (With MPPT)+Client's
Diesel generators as backup power



Ecuador Commercial

Battery: 860kWh total, single module 51.2V 280Ah
PCS:250kW Megarevo MPS (with MPPT)



Backup Power for Mining Operations in South Africa, Africa

Battery: 2.2MWh total, 768V 2800Ah PCS: 2MW(ATESS) , 630kW*4









Project Case

Backup Power for Factories in Uganda, Africa

Battery: 2.15MWh total, 768V 2800Ah MPS: 1MW, 500kW*2 Megarevo (without PV)





Backup Power for Factories in South Africa, Africa

Battery: 2.15MWh total, 768V 2800Ah MPS: 500kW MPS(Megarevo), PV 500kW



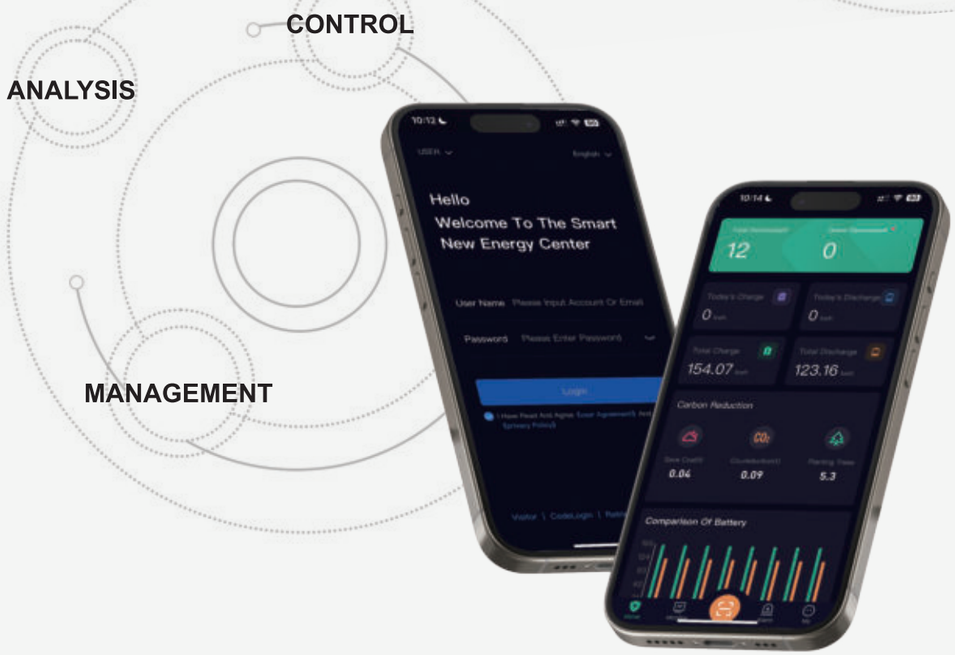






GENIXGREEN CLOUD(LV)

Fully Intelligent App Remote Control
Monitoring System



DOWNLOAD OUR APP

No matter where you are, our PC and mobile phone platforms allow you to monitor energy information in real time anytime, anywhere, ensuring that you always have key data in hand without worrying about missing it.

ANDROID

IOS

Advantages of GENIXGREEN WIFI & APP

1. Remote OTA upgrade:

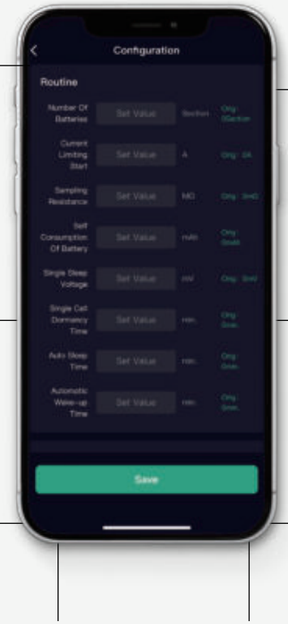
Based on big data technology, in-depth analysis of energy usage status and regional differences provides accurate support for product optimization and global sales.

2. Remote debugging and configuration:

Using the remote debugging function, you can easily configure 139 parameters of the device independently, just like sitting in the office operating the host computer, significantly reducing product operation and maintenance costs.

3. Intelligent dynamic data analysis:

Based on big data technology, in-depth analysis of energy usage status and regional differences provides accurate support for product optimization and global sales.



8.Hierarchical management:

Flexibly manage dealers and equipment through hierarchical division and authority management, and support unified management of multiple brands and dealers on the same platform.

7.Innovative client APP:

Design a beautiful and simple interface, greatly improve user operability and experience, and help the product move towards international branding.

6.Global node deployment:

Nodes are set up in more than 40 countries around the world to provide stable and reliable service support for global product distribution.

4. Real-time warning and response:

Receive real-time warning information of products in a timely manner, discover and quickly solve problems in advance, ensure a seamless user experience, and further improve product quality and service levels.

5.One-click network configuration:

Conveniently complete the device's WiFi online configuration through APP or mobile hotspot, simplifying the operation process and improving user convenience.

https://www.genixgreen.com
https://apps.apple.com/cn/app/genixgreen/id6479182549
https://www.genixgreen.cloud/download/android/genixgreen.apk

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GENIXGREEN CLOUD(HV)

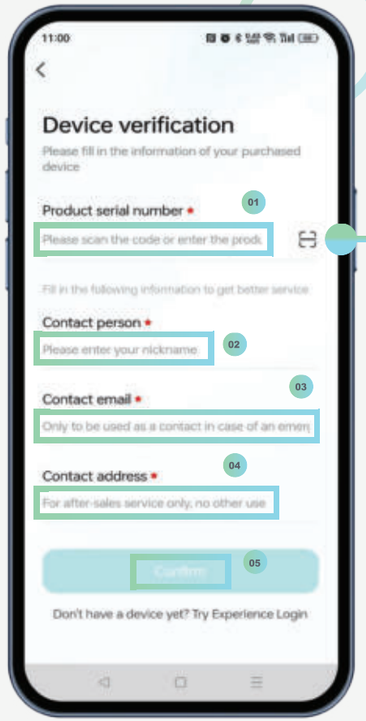
TO APP CONNECTION

Scan the QR code to download the app and install it (choose the default browser to open and download)

https://ievcloud.com/app_xdcn.html

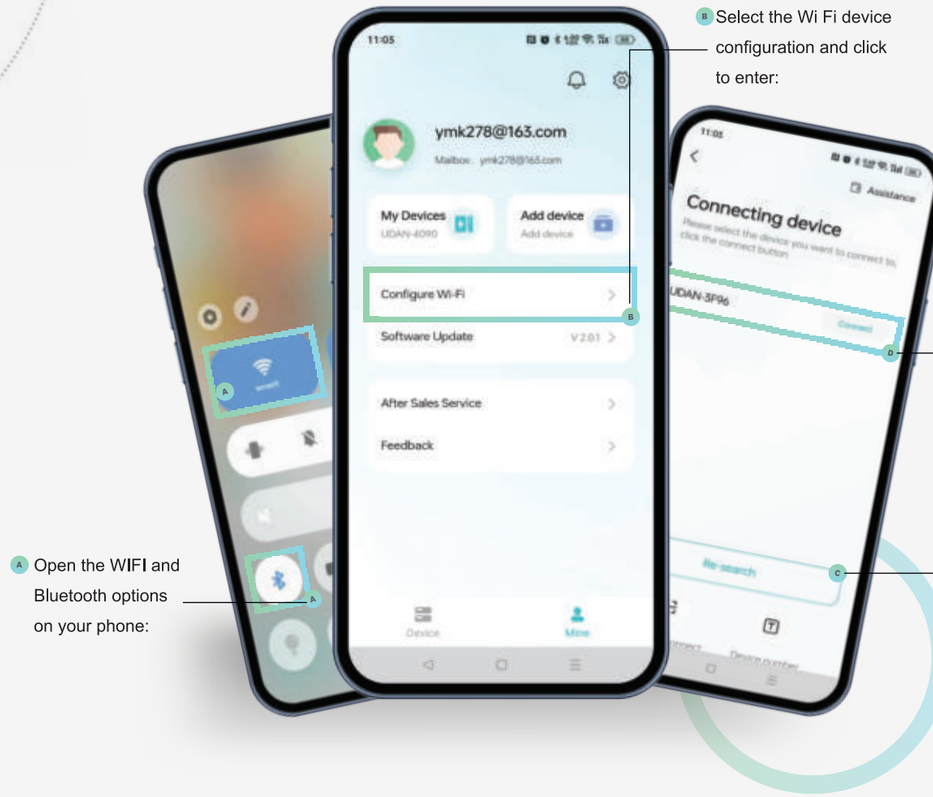
Apple/android Download website/QR code

REGISTER ACCOUNT





Scan the QR code or manually enter the SN code (this sticker is on the side of the PDU control box), and fill in the registered account, email, and contact address. Finally, click "Finish" to complete the device binding;



B Select the Wi Fi device configuration and click to enter:

D Click the next button:

A Open the WIFI and Bluetooth options on your phone:

C Scan the QR code again or receive the input SN code:

E Select and connect an available WiFi (2.4 GHz and name cannot contain Chinese characters or symbols):

F Enter the WiFi password to connect:

CONNECTION COMPLETED, CHECK STATUS

Check WiFi parameters to ensure that WiFi is 2.4GHz, otherwise it may cause connection failure; If the connection speed is below 100Mbps, it may cause poor internet speed.

VIEW CLICK COMPLETION STATUS

After successful connection, you can check the operating status of the battery system