



ESS Product

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2026

Your Reliable Green Energy Solution

Energy storage optimization



WeChat



Web



TikTok

CGP CONTENTS



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About GeePower

Innovating in lithium battery
and energy storage solutions

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Enterprise Course

Tracing GeePower's growth and
milestones

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Product System

Comprehensive lithium battery
packs and energy storage
solutions

04

Project Case

Showcasing successful
applications worldwide

ABOUT US

- GeePower New Energy Technology Co., Ltd. is a leading high-tech new energy company operating a 20,000 m² production facility with a total investment of 200 million yuan. Integrating advanced R&D, manufacturing, and global sales, GeePower specializes in LFP battery innovation with an annual production capacity of 2GWh.
- Our lithium battery packs and energy storage solutions meet international standards and hold ISO9001, ISO14001, ISO45001, CE, UL, and UN38.3 certifications, ensuring world-class quality, safety, and reliability.
- Committed to sustainable energy, GeePower is expanding its global presence and shaping the future of energy storage.

Core business

- GeePower develops innovative storage solutions that drive energy efficiency and sustainability.
- By optimizing when and how power is consumed, we enable users to reduce costs, ease grid pressure, and accelerate the transition to clean energy.

GEEPOWER



Focusing on the new energy sector for 12 years



Smart Energy storage solution



Cost-Effective Performance



Driving a Sustainable Future



2003

Origin

Founder entered the lithium battery industry

2009

HongKong GeePower

GeePower officially established in Hong Kong

2013

Ji' an

Began focusing on energy storage and set up an R&D center in Ji'an

2018

Hunan GeePower

Expanded operations in Hunan, strengthening market presence and product development processes

2024

New strategy

Launched a new strategic roadmap to enhance global competitiveness and innovation

2025

Jiu jiang

Established a new production base in Jiujiang, further extending the industrial value chain

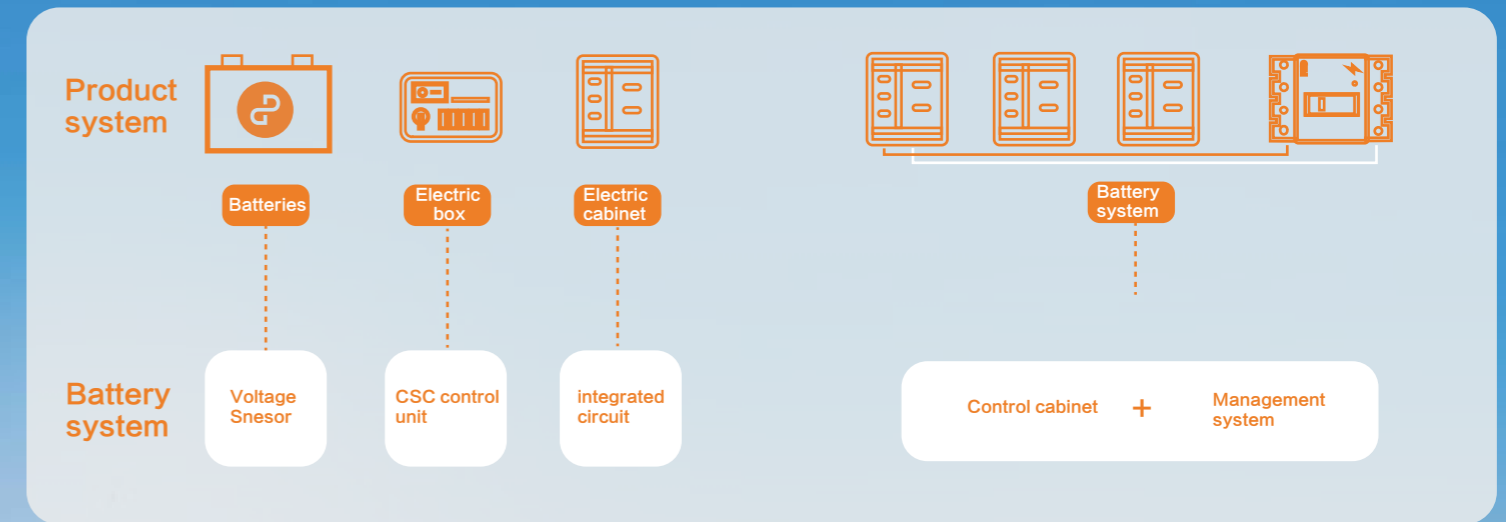


Energy Storage Solutions

Energy storage plays a vital role in power transformation and the transition to renewable energy. Our independently developed lithium battery systems are designed for safety, efficiency, and cost-effectiveness. They integrate seamlessly with power generation, grid operations, and consumption to optimize energy use, strengthen grid stability, and lower operating costs.

- Integration with renewable energy
- Grid stability and frequency regulation
- Efficient energy conversion and storage

• System Architecture



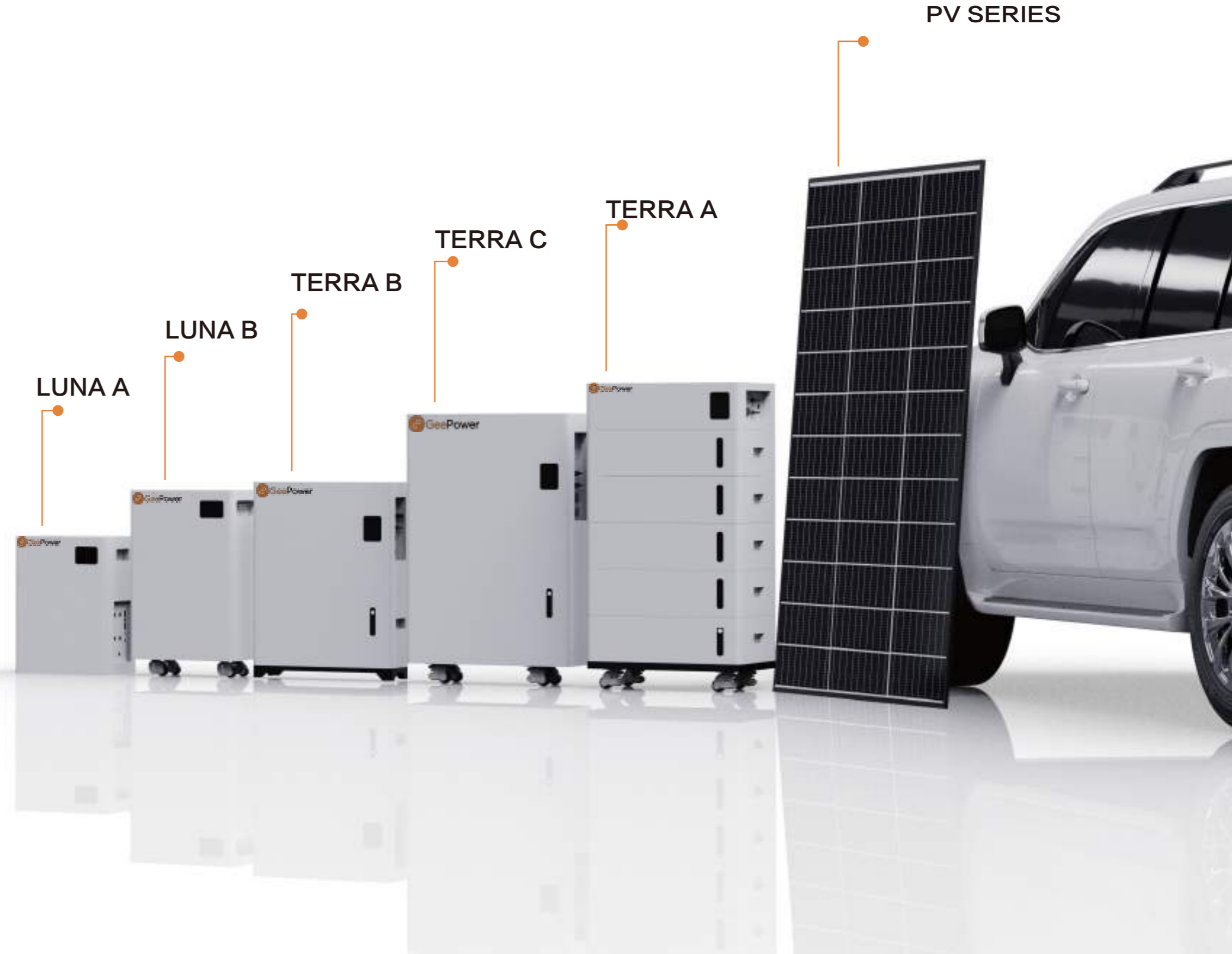
HOME ENERGY

Storage Solutions

Reliable | Scalable | Efficient

KEY ADVANTAGES

- Safety features
- After-sales support
- Smart Cloud services



Model

TERRA A

Stackable Modular Design



Detail A



Detail B



Detail C



Module design
Easy to scale



Durable battery
Long-life LiFePO4



Quick installation
Plug & play stacking



Stable Power
Reliable output



Enhanced Safety
Multi-layer protection



Wide Compatibility
works with most appliances

Product Parameter

Model(GPTE-A)	51.2-100	51.2-200	51.2-300	51.2-400	51.2-500	51.2-600
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Inverter

Rated Power	6.2kW
AC Rated Voltage	230VAC
Efficiency	50Hz
Rated Frequency	> 94%
Transfer Time	10ms
Waveform	Pure sinusoidal wave
Battery Overvoltage	58.4V
Battery Undervoltage Alarm	45V
Constant Voltage Charge	58.4V
Float Voltage	56V
Max Charging Current	100A
Communication Interface	RS232(Inverter)/RS485(BMS)
Dimension	65*40.5*18cm

Battery

Rated Capacity	5120WH (100Ah)	10240WH (200Ah)	15360WH (300Ah)	20480WH (400Ah)	25600WH (500Ah)	30720WH (600Ah)
Nominal Voltage	51.2V					
Discharge Voltage Range	43.2V-58.4V					
Standard Charging Current	50A					
Max Charging Current	200A					
Max Discharging Current	200A					
Depth of Discharge	90%					
Communication Interface	CAN / RS485					
Cycle Life	≥6000, 25±2℃, 0.5C, EOL80%					
Working Temperature Range	Charge: 0℃-50℃; Discharge: -10℃-60℃					
Storage Temperature	-20℃-60℃					
Dimension	71*50*24.5cm					

Existing certification

Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS
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- ◆ The working temperature is lower than 0℃ or higher than 45℃, the charge/discharge is derated
- ◆ For applicable conditions, please refer to the quality assurance document

Model

TERRA C

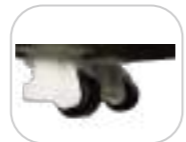
Stackable Modular Design



Detail A



Detail B



Detail C



Module design
Easy to scale



Durable battery
Long-life LiFePO4



Quick installation
Plug & play stacking



Stable Power
Reliable output



Enhanced Safety
Multi-layer protection



Wide Compatibility
works with most appliances

Product Parameter

Model	GPTE-C-51.2-300(10KW)	GPTE-C-51.2-600(10KW)
Inverter		
Rated Power	11KW	
AC Rated Voltage	230VAC	
Efficiency	50Hz	
Rated Frequency	>94%	
Transfer Time	10ms	
Waveform	Pure sinusoidal wave	
Battery Overvoltage	58.4V	
Battery Undervoltage Alarm	45V	
Constant Voltage Charge	58.4V	
Float Voltage	56V	
Max Charging Current	100A	
Communication Interface	RS232(Inverter)/RS485(BMS)	
Dimension	71*50*24.5cm	
Battery		
Rated Capacity	GPTE-C-51.2-300	GPTE-C-51.2-600
Nominal Voltage	51.2V	
Discharge Voltage Range	43.2V-58.4V	
Standard Charging Current	50A	
Max Charging Current	200A	
Max Discharging Current	200A	
Depth of Discharge	90%	
Communication Interface	CAN / RS485	
Cycle Life	≥6000, 25±2℃, 0.5C, EOL80%	
Working Temperature Range	Charge: 0℃-50℃; Discharge: -10℃-60℃	
Storage Temperature	-20℃-60℃	
Dimension	71*50*24.5cm	
Existing certification		
Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS	

- ◆ The working temperature is lower than 0℃ or higher than 45℃, the charge/ discharge is derated
- ◆ For applicable conditions, please refer to the quality assurance document

Model

LUNA A

Original Patent Design



Detail A



Detail B



Detail C



Scalable
Easy to scale



Long-life Battery
Long-life LiFePO4



Plug & Play
Plug & play stacking



Stable Power
Consistent, reliable output



Safe Operation
Overcharge and short-circuit protection



Wide Compatibility
Works with most household appliances

Product Parameter

Model	GPLU-A-51.2-100
Battery	
Rated Energy	5120Wh
Rated Capacity	100Ah
Nominal Voltage	51.2V
Overcharge Protection Voltage	58.4V
Overdischarge Protection Voltage	40V
Max Charging Current	100A
Max Discharging Current	100A
Depth of Discharge	90%
Cycle Life	≥6000, 25±2℃, 0.5C, EOL80%
Working Temperature Range	Charge: 0℃-50℃; Discharge: -10℃-60℃
Storage Temperature	-20℃-60℃
Dimension	44*51*18cm

Existing certification

Passed	CE/UKCA/RoHS/G99/UN38.3/MSDS
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- ◆ Have original design patent
- ◆ Independent research and development of BMS multiple protection
- ◆ The working temperature is lower than 0℃ or higher 45℃, the charge/discharge is derated
- ◆ For applicable conditions, please refer to the quality assurance document

Model

LUNA B

Original Patent Design



Detail A



Detail B



Detail C



Scalable
Easy to scale



Long-life Battery
Long-life LiFePO4



Plug & Play
Plug & play stacking



Stable Power
Consistent, reliable output



Safe Operation
Overcharge and short-circuit protection



Wide Compatibility
Works with most household appliances

Product Parameter

Model	GPLU-B-51.2-200
Battery	
Rated Energy	10240Wh
Rated Capacity	200Ah
Nominal Voltage	51.2V
Overcharge Protection Voltage	58.4V
Overdischarge Protection Voltage	40V
Max Charging Current	200A
Max Discharging Current	200A
Depth of Discharge	90%
Cycle Life	≥6000, 25±2 °C, 0.5C, EOL80%
Working Temperature Range	Charge: 0 °C-50 °C ; Discharge: -10 °C-60 °C
Storage Temperature	-20 °C-60 °C
Dimension	44.5*57.5*26.5cm

Existing certification	
Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS

- ◆ Have original design patent
- ◆ Independent research and development of BMS multiple protection
- ◆ The working temperature is lower than 0 °C or higher 45 °C, the charge/discharge is derated
- ◆ For applicable conditions, please refer to the quality assurance document



Model

LUNA C

Original Patent Design



Detail A



Detail B



Detail C



Scalable
Easy to scale



Long-life Battery
Long-life LiFePO4



Plug & Play
Plug & play stacking



Stable Power
Consist, reliable output



Safe Operation
Overcharge and short-circuit protection



Wide Compatibility
Works with most household appliances

Product Parameter

Model	GPLU-B-51.2-300
Battery	
Rated Energy	16076Wh
Rated Capacity	314Ah
Nominal Voltage	51.2V
Overcharge Protection Voltage	58.4V
Overdischarge Protection Voltage	40V
Max Charging Current	200A
Max Discharging Current	200A
Depth of Discharge	90%
Cycle Life	≥6000, 25±2 °C, 0.5C, EOL80%
Working Temperature Range	Charge: 0 °C-50 °C ; Discharge: -10 °C-60 °C
Storage Temperature	-20 °C-60 °C
Dimension	48.5*78.5*25.5cm

Existing certification

Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS
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- ◆ Have original design patent
- ◆ Independent research and development of BMS multiple protection
- ◆ The working temperature is lower than 0 °C or higher 45 °C , the charge/discharge is derated
- ◆ For applicable conditions, please refer to the quality assurance document



Model

Inverter

Supporting Intelligent System

**IP65 Protection**

Weather proof and durable

**Smart Monitoring**

Remote operation& diagnostics

**Easy Installation**

Wall-mounted design

**Stable Power**Pure sine wave,
consistent output**Safe Operation**Overload and short-
circuit protection**Wide Compatibility**Works with household and
commercial loads

Product Parameter

Model	GD6248SMH	GD6248SMH	GD11048SMH
Output			
PV Inverter Output Power	6500W	11000W	12000W
Output Voltage	220/230/240AC±5%		
Output Frequency	50/60Hz±0.1%		
Output Wave	Pure Sine Wave		
Transfer Time	≤10ms(UPS Mode) s20ms(INV Mode)		
Peak Power	12400VAC	17200VAC	22000VAC
Overload Ability	Batter Mode: 1l s@105%-150% Load 2 s@150%-200% Load 400m s@>200% Load		

Charger

PV Inverter Output Power	MPPT	MPPT	Two-MPPT
Max PV Input Power MPPT	6500W	2*6500W	2*7500W
MPPT Input Power MPPT	60-500Vdc	90-500Vdc	90-500Vdc
Optimal Vmp Range	360-430Vdc	360-430Vdc	360-430Vdc
Max PV Charging Current	120A	120A	150A
Max AC Charging Current	100A	150A	150A
Max Charging Current	120A	120A	150A

Display

LCD Interface	Can display operating mode/ load / input / output
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Existing certification

Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS
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Model

PV SERIES

Supporting Intelligent System



Versatile Applications
Suitable for all climates
and regions



High Performance
Multi-busbar cell
technology



Plug & Play
Lightweight, flexible
mounting options



Reliable Output
Stable energy generation



Safe & Durable
Certified protection, long lifespan



Wide Compatibility
Up to 22.8% conversion rate

Product Parameter

Model	GPPV-T-585	GPPV-T-625
Electrical Parameters(STC)		
PV Inverter Output Power	585	625
Output Voltage	43.33	46.33
Output Frequency	13.50	
Output Wave	51.35	55.30
Transfer Tim	14.50	14.24
Peak Power	22.65%	22.36%
Overload Ability	AM1.5, Irradiance 1000w/ m ² , cell Temperature 25 C	

Mechanical Parameters

Module Size	2278*1134*30mm	2278*1134*30mm
Number of solar cells	144Cells(2*6*12)	156Cells(2*6*13)
Weight	31kg±5%	33.2kg±5%
Junction Box	IP64, 3 diodes	
Cables	400, ±300mm/-: 200(Customizable)	
Front plate glass	2.0mm, Ultra white AR coated semi-touened glass	
Rearplate glass	2.0mm, semi-toughened glass	
Static load on the front	5400Pa	
Static load on the back	2400Pa	

Existing certification

Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS
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Model

G1075 SERIES

Solar Energy Storage System



Scalable
Easy to scale



Solar system
Renewable energy sources



On/Off grid
Optimal energy efficiency



Custom made
Addressing diverse demands



Wide Compatibility
Consistent, reliable output



Wide Compatibility
Works with most household appliances

Product Parameter

Item	Specification
Battery parameters	
Cell type	LFP 3.2V280AH
Number of battery cabinets	5
Battery system power	1075.2kwh
Battery life	25 C 0.5 C/0.5C 100%DOD EOL80%≥6000times
Maximum power	0.93

AC parameters	
Rated output power	500
Maximum output power	550
Rated grid voltage	3W+N+PE,380/400V
Grid voltage range	-15%~+10%
Rated grid frequency	50/60
Output current harmonics	<3% (Rated Power)
Power factor	-0.9~+0.9
Overload capacity	105%: continuous running;105%-120%: Shut down

Existing certification	
Passed	CE/UKCA/RoHs/G99/UN38.3/MSDS



Model

G215 SERIES

Solar Energy Storage System



Scalable
Easy to scale



Solar system
Renewable energy sources



On/Off grid
Optimal energy efficiency



Custom made
Addressing diverse demands



Wide Compatibility
Consistent, reliable output



Wide Compatibility
Works with most household appliances

Product Parameter

Item	Specification
Battery parameters	
Type	100kW/215Wh
Cell	LFP 3.2V/280Ah
Pack	768V280Ah/215kWh
Voltage energy	215.04kWh
Maximum power	672V~846V
DC discharge current	140A

DC Side	
Maximum DC power	110kW
Battery voltage range	250~600Vdc
Photovoltaic voltage range	600~900Vdc
Maximum DC current	260A

AC Side	
Rated power	100kW
Rated grid voltage	400V
Allowable voltage range	360-440V
Rated AC current	140A
Rated grid frequency	50Hz/60Hz
Power Factor	0.99/-1~1
AC access method	3W+N+PE

Existing certification	
Passed	CE/UKCA/RoHS/G99/UN38.3/MSDS

Model

G107 SERIES

Solar Energy Storage System



Scalable
Easy to scale



Solar system
Renewable energy sources



On/Off grid
Optimal energy efficiency



Custom made
Addressing diverse demands



Wide Compatibility
Consist, reliable output



Wide Compatibility
Works with most household appliances

Product Parameter

Item	Specification
Battery parameters	
System type	50kW/107kWh
Pack combination	716V150AH/107KWH
Inverter power	750KW
DC standard voltage	716VDC
DC voltage range	582-806VDC
Cell type	LFP3.2V/150AH
Max.charge power	55kW
Max.input solar power	65kW
Rated grid voltage	380V AC
Rated grid frequency	50/60Hz±5Hz
Battery cycle life	>6000 times (0.5C@25℃) Energy retention rate ≥80%
System efficiency	Maximum efficiency 97%/DOD90%

General parameters	
Cooling Method	Intelligent air cooling
Firefighting	PACK aerosol/cabinet aerosol
Operating mode	On-grid/off-grid
Communication	CAN/RS485/WIFI
Grid Connection Form	3L+N+PE
Relative humidity	0~95%RH% (No condensation)
Working altitude	2000m(>2000m derated use)
International Protection	IP54
Product Size	1255*1444*1960mm

Existing certification	
Passed	CE/UKCA/RoHS/G99/UN38.3/MSDS



Model

G60 SERIES

Solar Energy Storage System



Scalable
Easy to scale



Solar system
Renewable energy sources



On/Off grid
Optimal energy efficiency



Custom made
Addressing diverse demands



Wide Compatibility
Consist, reliable output



Wide Compatibility
Works with most household appliances

Product Parameter

Item	Specification
Battery parameters	
System type	30kW/61.44kWh
Pack combination	307.2V200Ah/61.44kWh
Inverter power	30kW
DC standard voltage	307.2VDC
DC voltage range	245-345VDC
Cell type	LFP 3.2V/200Ah
Max.charge power	33kW
Max.input solar power	39kW
Rated grid voltage	380V AC
Rated grid frequency	50/60Hz±5Hz
Battery cycle life	>6000 times (0.5C@25℃) Energy retention rate ≥80%
System efficiency	Maximum efficiency 97%/DOD90%

General parameters	
Cooling Method	Intelligent air cooling
Firefighting	PACK aerosol/cabinet aerosol
Operating mode	On-grid/off-grid
Communication	CAN/RS485/WIFI
Grid Connection Form	3L+N+PE
Relative humidity	0~95%RH% (No condensation)
Working altitude	2000m(>2000m derated use)
International Protection	IP54
Product Size	1100*1259*1725mm

Existing certification	
Passed	CE/UKCA/RoHS/G99/UN38.3/MSDS

Energy Storage Applications

From homes to large-scale projects



Home Energy Storage Solution (Indoor)



Indoor Data Center Power Pack System



Villa Energy Storage (20kWh)



Home + EV Charging Solution (25kWh)



Mountain Energy Storage Deployment (2MWh)



Utility-Scale Solar + Storage (3MWh)



Outdoor Data Center Containerized System



Large-Scale Mountain Deployment (5MWh)