



Nantong Guangteng New Energy Technology Co., Ltd.

Email: chris.zhu@pvgtsolar.com

WhatsApp: +86 15316782381

Tel: +86 15316782381

Chief Investment Officer: Chris.Zhu

Chief Executive Officer: jason.zhang@pvgtsolar.com

Add: No. 321, Yanshou South Road, Lvsigang Town, Qidong City, Jiangsu Province, China

Product Brochure

One Stop Energy Storage Solution

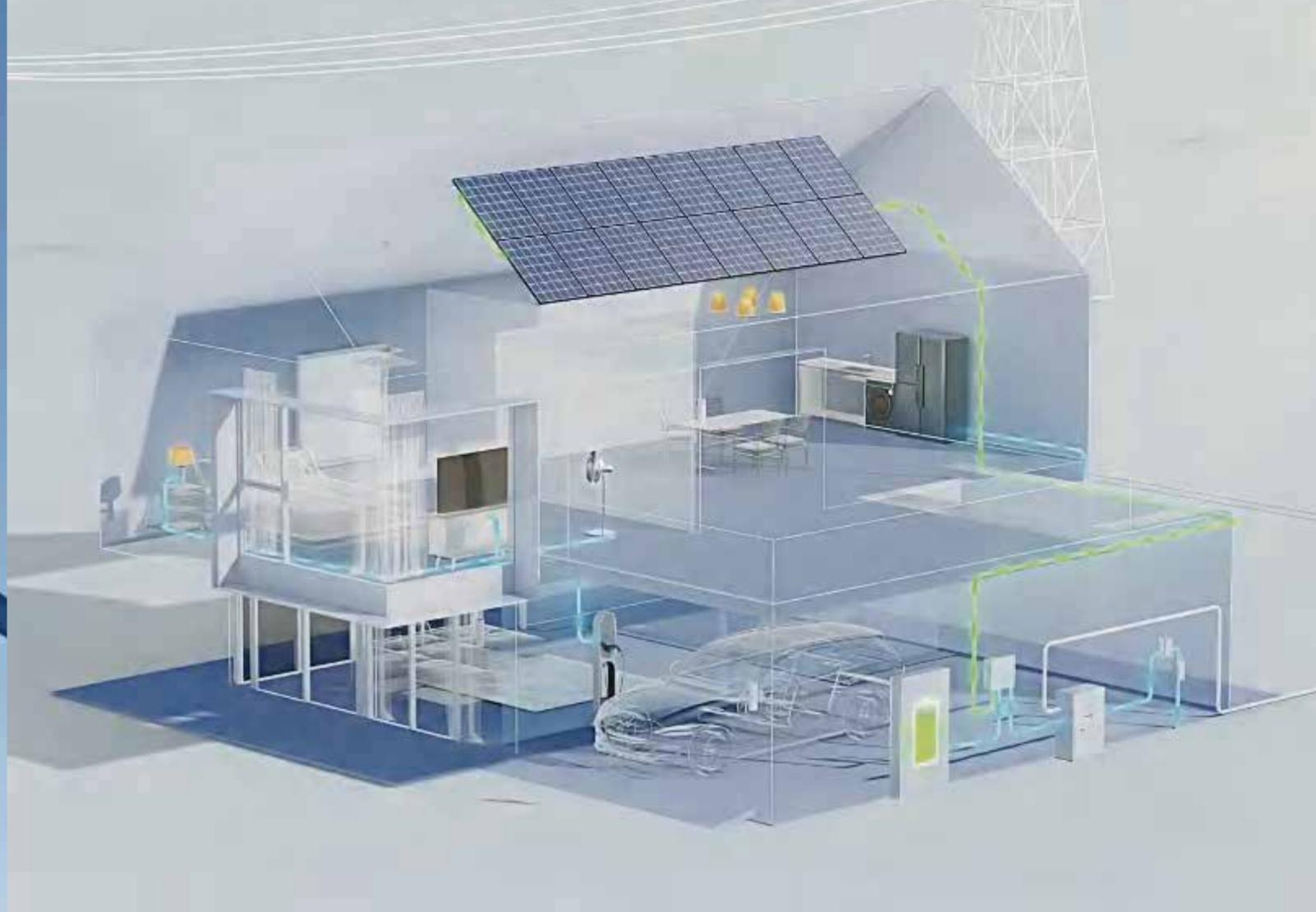
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**Energy storage for the
future of a green world**

Company Introduction

GuangTeng New Energy focuses on the development of photovoltaic intelligent manufacturing and power station industry, and provides high-quality products and services to global customers and partners through continuous innovation and technological progress. The smart park is fully equipped with industry-leading systems to achieve high automation in production and manufacturing, quality management, logistics distribution, energy management, etc. GuangTeng New Energy is committed to building internationally leading technology application production lines and experimental lines to achieve low-carbon manufacturing, green manufacturing and intelligent manufacturing.

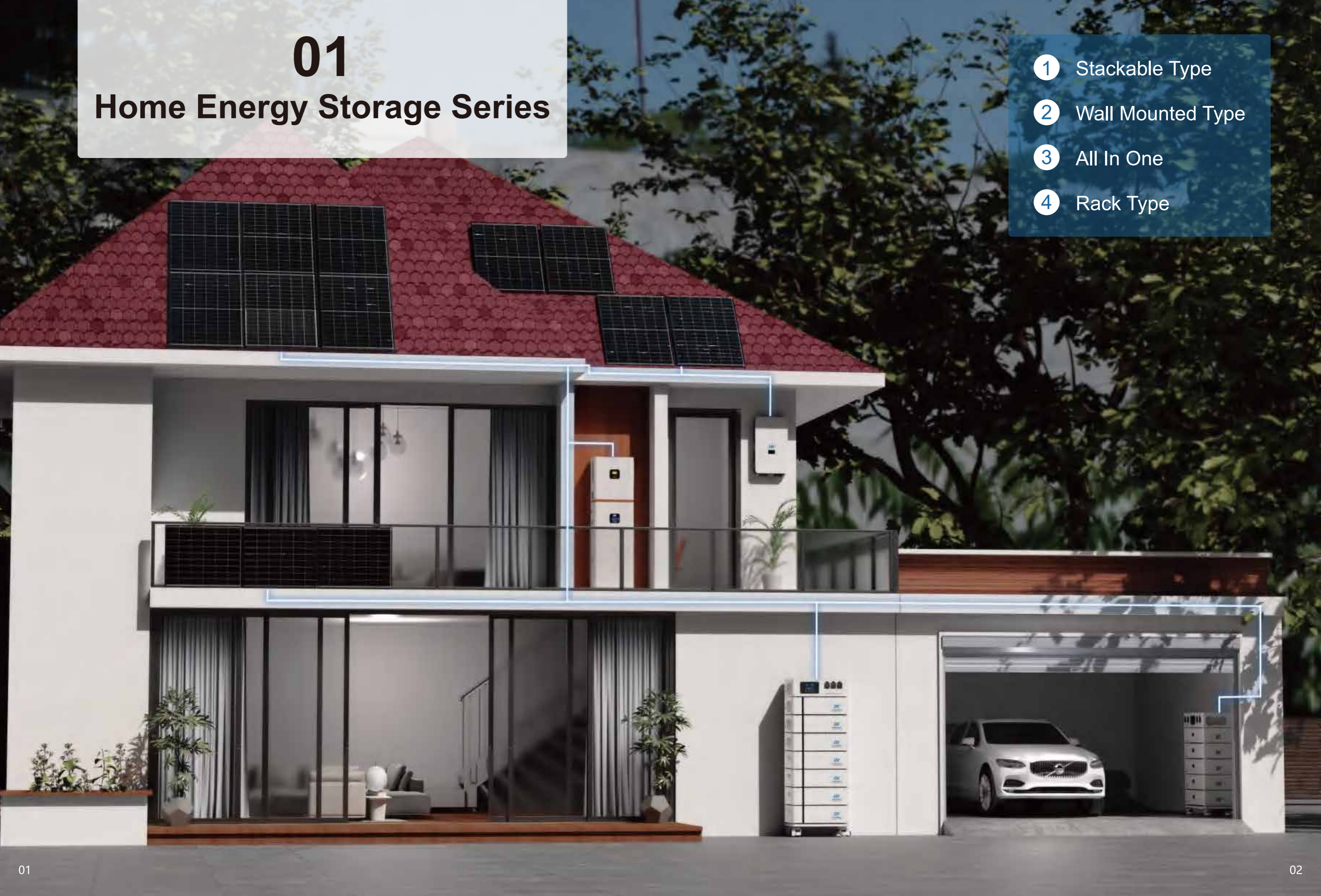


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01 Home Energy Storage Series

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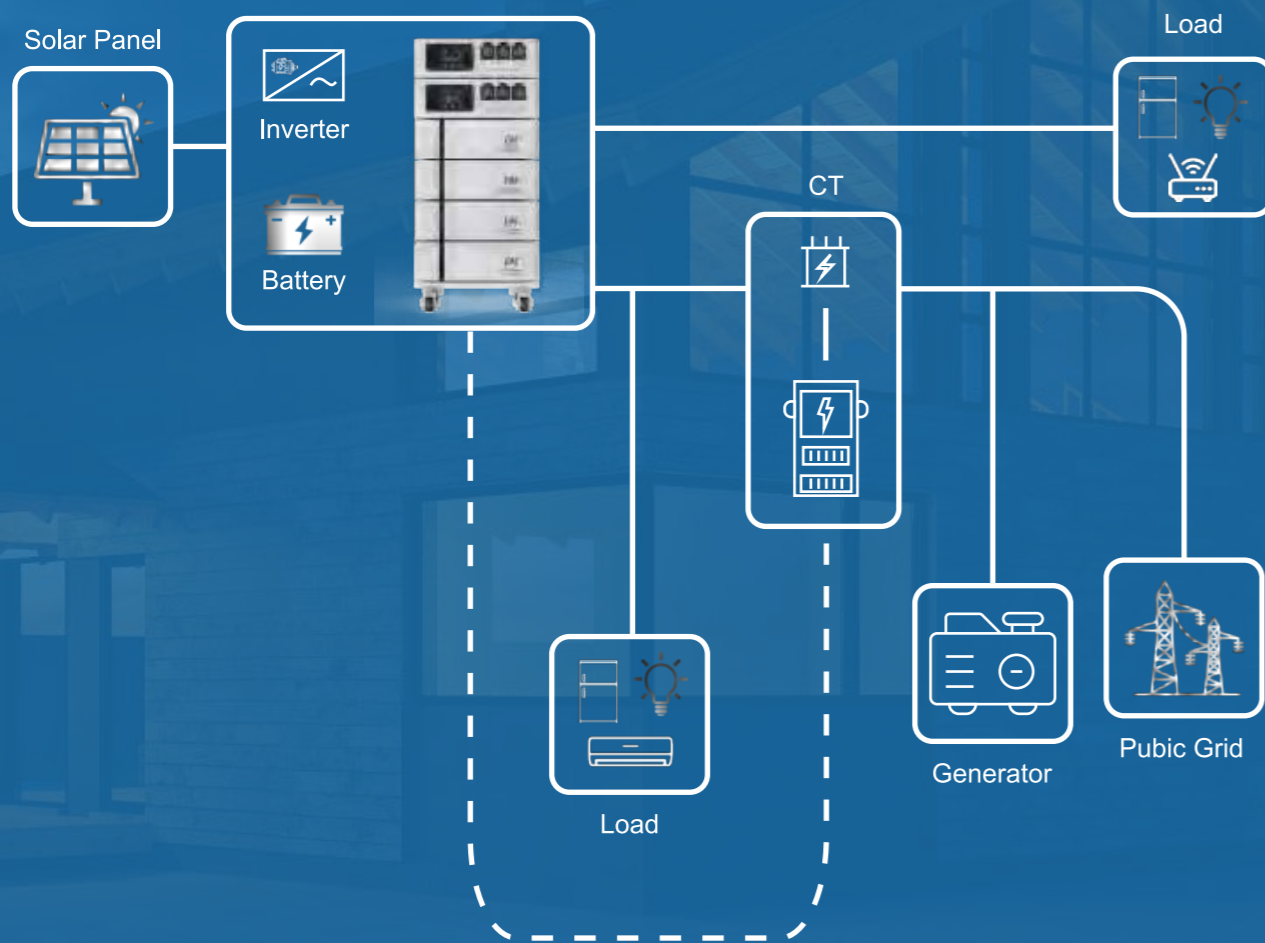


Low Voltage Stackable Type



Easy to operate, expandable battery capaci

- ▷ Supports up to 15connections
- ▷ Maximum continuous charge /discharge current 1500A
- ▷ Max available battery 76.8Kwh
- ▷ Inverter max load power 33KW
- ▷ Cycle Lifetime 6000+



Application Scenarios



Battery Parameter

Battery Power : 5120Wh *2
 Nominal Voltage : 51.2V
 Nominal Capacity: 100Ah *2
 Max Continuous Charge/
 Discharge Current : 50A/100A *2
 Cycle Lifetime : 6000+
 Single Module Weight : 43Kg
 Single Module Size : 535*390*175mm

Inverter Parameter

Output Voltage : 230V±5%
 Output Frequency : 50Hz/60Hz
 (Self-frame recognition)
 Output Power : 5600W
 Peak Power : 11000W
 Switch Time : 10ms
 PV Input Voltage :100Vdc~500Vdc
 PV Max Input Power : 5400W
 PV Max Charge Current : 100A
 Mains Supply Max Charge Current : 60A
 Single Module Weight : 24Kg
 Single Module Size : 535*390*175mm

Battery Parameter

Battery Power : 5120Wh *4
 Nominal Voltage : 51.2V
 Nominal Capacity: 100Ah *4
 Max Continuous Charge/
 Discharge Current : 50A/100A *4
 Cycle Lifetime : 6000+
 Single Module Weight : 43Kg
 Single Module Size : 535*390*175mm

Inverter Parameter

Output Voltage : 230V±5%
 Output Frequency : 50Hz/60Hz
 (Self-frame recognition)
 Output Power : 5600W*2
 Peak Power : 11000W*2
 Switch Time : 10ms
 PV Input Voltage :100Vdc~500Vdc
 PV Max Input Power : 5400W*2
 PV Max Charge Current : 100A*2
 Mains Supply Max Charge Current : 60A*2
 Single Module Weight : 24Kg
 Single Module Size : 535*390*175mm

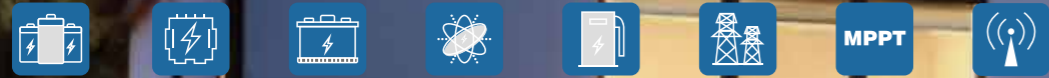
Battery Parameter

Battery Power : 5120Wh *6
 Nominal Voltage : 51.2V
 Nominal Capacity: 100Ah *6
 Max Continuous Charge/
 Discharge Current : 50A/100A *6
 Cycle Lifetime : 6000+
 Single Module Weight : 43Kg
 Single Module Size : 535*390*175mm

Inverter Parameter

Output Voltage : 230V±5%
 Output Frequency : 50Hz/60Hz
 (Self-frame recognition)
 Output Power : 5600W*3
 Peak Power : 11000W*3
 Switch Time : 10ms
 PV Input Voltage :100Vdc~500Vdc
 PV Max Input Power : 5400W*3
 PV Max Charge Current : 100A*3
 Mains Supply Max Charge Current : 60A*3
 Single Module Weight : 24Kg
 Single Module Size : 535*390*175mm

Low Voltage Stackable Type



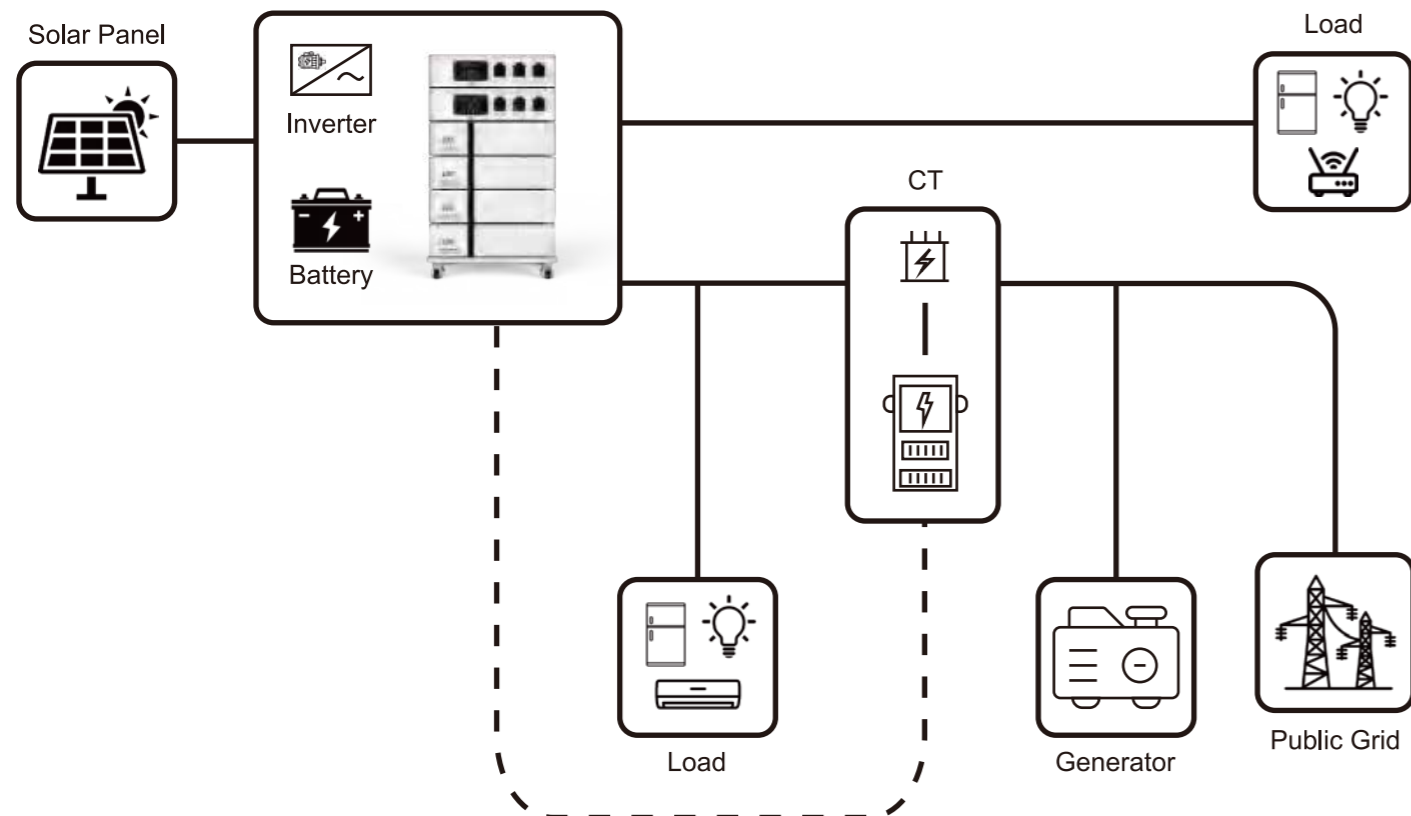
- ▷ Easy installation and operation
- ▷ Battery module supports expansion of 15 parallel combinations up to
- ▷ The inverter module supports expansion of 6 combinations of single-phase or three-phase
- ▷ Support APP/PC remote monitor and control

115kwh
66kw

Application Scenarios



- ▷ Inverter module for optional
- ▷ European Standard (5.6kW/8kW/11kW 230V)
- ▷ American Standard (6.5kW 110V/12kW split phase 110V/220V)



Battery Parameter

Battery Power : 7680Wh *2
Nominal Voltage : 51.2V
Nominal Capacity: 150Ah *2
Max Continuous Charge/
Discharge Current : 100A/100A *2
Cycle Lifetime : 6000+
Single Module Weight : 61.5Kg
Single Module Size : 655*405*175mm

Inverter Parameter

Output Voltage : 230V±5%
Output Frequency : 50Hz/60Hz
(Self-frame recognition)
Output Power : 11000W
Peak Power : 22000W
Switch Time : 10ms
PV Input Voltage :100Vdc~500Vdc
PV Max Input Power : 11000W
PV Max Charge Current : 150A
Mains Supply Max Charge Current : 120A
Single Module Weight : 28Kg
Single Module Size : 655*405*175mm

Battery Parameter

Battery Power : 7680Wh *4
Nominal Voltage : 51.2V
Nominal Capacity: 150Ah *4
Max Continuous Charge/
Discharge Current : 100A/100A *4
Cycle Lifetime : 6000+
Single Module Weight : 61.5Kg
Single Module Size : 655*405*175mm

Inverter Parameter

Output Voltage : 230V±5%
Output Frequency : 50Hz/60Hz
(Self-frame recognition)
Output Power : 11000W*2
Peak Power : 22000W*2
Switch Time : 10ms
PV Input Voltage :100Vdc~500Vdc
PV Max Input Power : 11000W*2
PV Max Charge Current : 150A*2
Mains Supply Max Charge Current : 120A*2
Single Module Weight : 28Kg
Single Module Size : 655*405*175mm

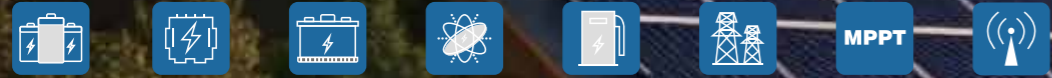
Battery Parameter

Battery Power : 7680Wh *6
Nominal Voltage : 51.2V
Nominal Capacity: 150Ah *6
Max Continuous Charge/
Discharge Current : 100A/100A *6
Cycle Lifetime : 6000+
Single Module Weight : 61.5Kg
Single Module Size : 655*405*175mm

Inverter Parameter

Output Voltage : 230V±5%
Output Frequency : 50Hz/60Hz
(Self-frame recognition)
Output Power : 11000W*3
Peak Power : 22000W*3
Switch Time : 10ms
PV Input Voltage :100Vdc~500Vdc
PV Max Input Power : 11000W*3
PV Max Charge Current : 150A*3
Mains Supply Max Charge Current : 120A*3
Single Module Weight : 28Kg
Single Module Size : 655*405*175mm

Low Voltage Stackable Type



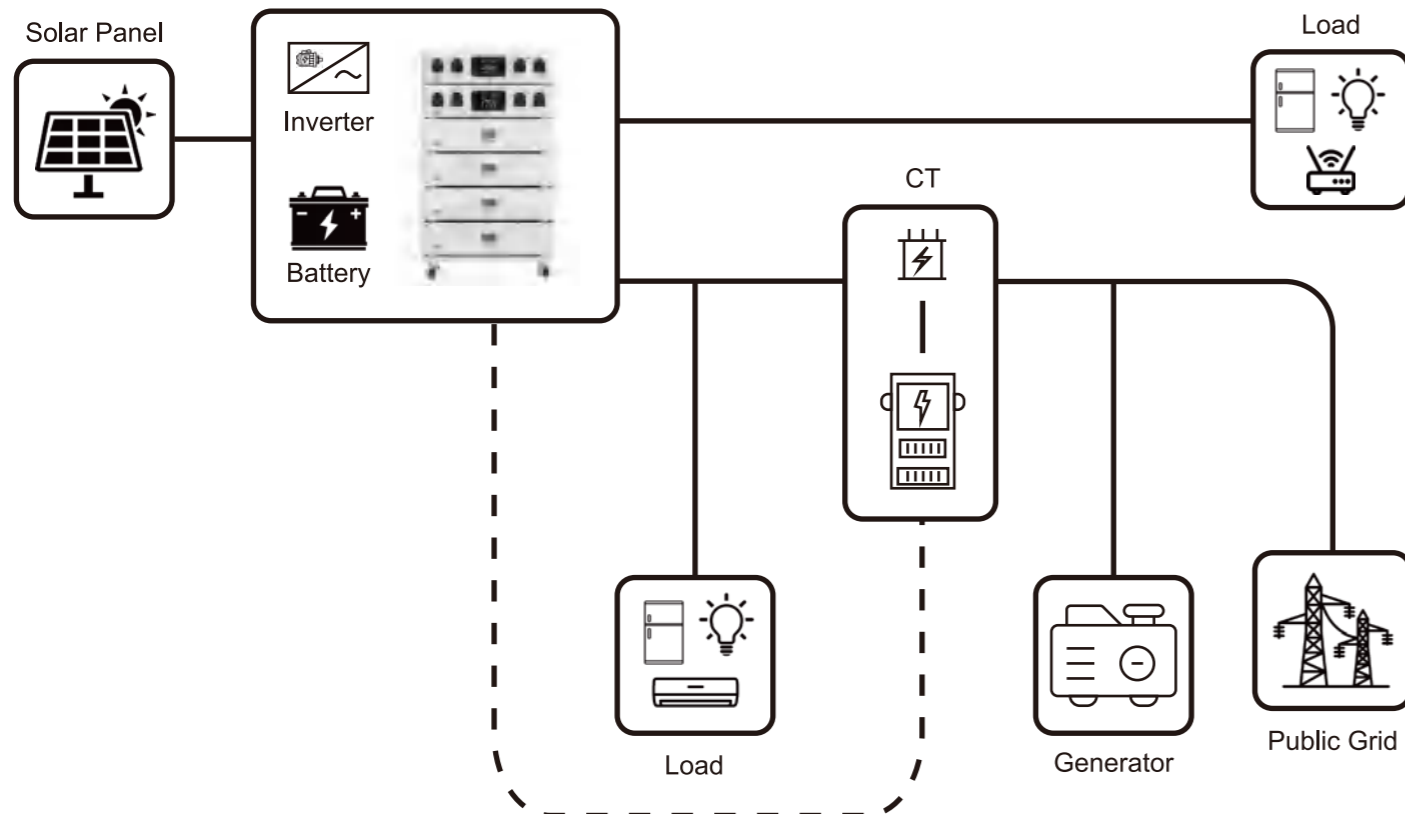
Application Scenarios



- ▷ Easy installation and operation
- ▷ Battery module supports expansion of 15 parallel combinations up to
- ▷ The inverter module supports expansion of 6 combinations of single-phase or three-phase
- ▷ Support APP/PC remote monitor and control

141.3kwh
66kw

- ▷ Inverter module for optional
- ▷ European Standard (5.6kW/8kW/11kW 230V)
- ▷ American Standard (6.5kW 110V/12kW split phase 110V/220V)



Battery Parameter

Battery Power : 9420Wh *2
Nominal Voltage : 51.2V
Nominal Capacity: 184Ah *2
Max Continuous Charge/Discharge Current : 100A/100A *2
Cycle Lifetime : 6000+
Single Module Weight : 72Kg
Single Module Size : 680*420*175mm

Inverter Parameter

Output Voltage : 230V±5%
Output Frequency : 50Hz/60Hz (Self-frame recognition)
Output Power : 11000W
Peak Power : 22000W
Switch Time : 10ms
PV Input Voltage : 100Vdc~500Vdc
PV Max Input Power : 11000W
PV Max Charge Current : 150A
Mains Supply Max Charge Current : 120A
Single Module Weight : 28Kg
Single Module Size : 680*420*175mm

Battery Parameter

Battery Power : 9420Wh *4
Nominal Voltage : 51.2V
Nominal Capacity: 184Ah *4
Max Continuous Charge/Discharge Current : 100A/100A *4
Cycle Lifetime : 6000+
Single Module Weight : 72Kg
Single Module Size : 680*420*175mm

Inverter Parameter

Output Voltage : 230V±5%
Output Frequency : 50Hz/60Hz (Self-frame recognition)
Output Power : 11000W*2
Peak Power : 22000W*2
Switch Time : 10ms
PV Input Voltage : 100Vdc~500Vdc
PV Max Input Power : 11000W*2
PV Max Charge Current : 150A*2
Mains Supply Max Charge Current : 120A*2
Single Module Weight : 28Kg
Single Module Size : 680*420*175mm

Battery Parameter

Battery Power : 9420Wh *6
Nominal Voltage : 51.2V
Nominal Capacity: 184Ah *6
Max Continuous Charge/Discharge Current : 100A/100A *6
Cycle Lifetime : 6000+
Single Module Weight : 72Kg
Single Module Size : 680*420*175mm

Inverter Parameter

Output Voltage : 230V±5%
Output Frequency : 50Hz/60Hz (Self-frame recognition)
Output Power : 11000W*3
Peak Power : 22000W*3
Switch Time : 10ms
PV Input Voltage : 100Vdc~500Vdc
PV Max Input Power : 11000W*3
PV Max Charge Current : 150A*3
Mains Supply Max Charge Current : 120A*3
Single Module Weight : 28Kg
Single Module Size : 680*420*175mm

High Voltage Stackable Type



Application Scenarios

High-voltage energy storage battery management system is mainly used in household energy storage, commercial energy storage and other applications, this system is a distributed two-level framework energy storage system, the system is mainly divided into battery management master control unit(BCMU), battery management unit (BMU). The system can detect the single cell voltage, cell temperature, current, total voltage and other data in real time, calculate the remaining capacity SOC in real time, predict the battery monitoring status SOH, estimate the current cell power status SOP, effectively manage the safety of lithium battery system, and realize the information interaction with PCS through CAN/RS485 communication interface.

The system single group maximum 8 battery module + master control module composed of 80kWh,40KW power output of the energy storage system, distributed with multiple battery systems, to build a larger power demand and power use, support for mainstream high-voltage hybrid inverter protocol communication.

Battery Module

Nominal Capacity	100Ah
Nominal Voltage	102.4V
Nominal Power	10.24kWh
Rated charge/discharge ratio	0.5C
Operating voltage range	80~116.8V
Standard charge/discharge current	0.2C/0.33C
Standard charge/discharge cut-off voltage	91.2/116.8V
Maximum continuous charging current	50A
Maximum continuous discharging current	50A
Recommended Scope of SOC Use	10%~95%
Charging operating temperature	0℃~50℃
Discharging operating temperature	-20℃~50℃
Short-term storage stabilization(within 1 month)	-20℃~45℃
Long-term storage stability (within 1 year)	0℃~35℃
Storage humidity	5%~90%
Cycle Lifetime	6000+
Product Dimension	680*528*190mm
Net Weight	81Kg

Wall Mounted Type



Application Scenarios

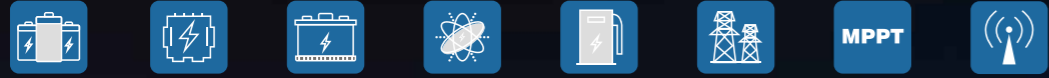
The 51.2V wall-mounted series is a lithium ion phosphate battery module designed for residential energy storage applications. It has a variety of combined capacity and power options. The battery module has an integrated intelligent BMS and supports communication with most mainstream inverters. It has great advantages in safety, cycle life, energy density, temperature range, and environmental protection.



Battery Module

Nominal Capacity	100Ah	150Ah	184Ah
Nominal Voltage	51.2V		
Nominal Power	5.12kWh	7.68kWh	9.42kWh
Operating voltage range	40-58.4V		
Standard charge/discharge current	50A/75A		
Maximum continuous charging current	100A		
Maximum continuous discharging current	100A		
Recommended Scope of SOC Use	5%~95%		
Charging operating temperature	0℃~50℃		
Discharging operating temperature	-20℃~50℃		
Short-term storage stabilization (within 1 month)	-20℃~45℃		
Long-term storage stability (within 1 year)	0℃~35℃		
Storage humidity	5%~90%		
Cycle Lifetime	6000+		
Product Dimension	570*360*146mm	657*400*165mm	756*495*162mm
Net Weight	43Kg	60Kg	75Kg

Combined All-in-One



Specification Parameters

Battery Nominal Voltage	25.6Vdc	51.2Vdc	51.2Vdc	51.2Vdc
Battery Nominal Capacity	300Ah	184Ah	280Ah	368Ah
Battery Nominal Power	7.68kWh	9.42kWh	14.3kWh	18.84kWh
Output Power	3600W	5600W	5600W	11000W
Output Voltage	230Vac±5%	230Vac±5%	230Vac±5%	230Vac±5%
Output Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Mains Supply Output Voltage	(170Vac-280Vac)±2%@UPS Mode; (90Vac-280Vac)±2%@APL Generator Mode			
Mains Supply Charge Current	DC 100A MAX	DC 60A MAX	DC 60A MAX	DC 120A MAX
Loaded Motor Energy	2HP	3HP	3HP	7HP
PV Rated Operating Voltage	308Vdc	300Vdc	300Vdc	300Vdc

PV Input Voltage	100Vdc~500Vdc	100Vdc~500Vdc	100Vdc~500Vdc	100Vdc~500Vdc
Max PV Input Power	5000W	6000W	6000W	5500W+5500W
Max PV Input Current	18A	22A	22A	22A+22A
PV Charge Current	DC 100A MAX	DC 100A MAX	DC 100A MAX	DC 150A MAX
Hybrid Charge Current	DC 100A MAX	DC 100A MAX	DC 100A MAX	DC 150A MAX
Cycle Lifetime	6000+			
Product Dismension	508*308*525mm	650*300*686mm	415*250*1300mm	678*326*825mm
Net Weight	≈68Kg	≈95Kg	≈140Kg	≈145Kg

Rack Type



Application Scenarios

The rack series energy storage products are specially designed for 19-inch cabinet applications with reasonable hole positions for fixing

Supports up to 15 units in parallel

Supports mainstream inverter communication on the market

Flexibly matches power according to needs

Household Energy Storage
 Industrial Energy Storage
 Mobile Energy Storage
 Photovoltaic Energy Storage

Wind Power Generation
 UPS Power Supply
 Communication Base Station
 RV Energy Storage

Battery Module

Battery Power	5.12kWh	7.68kWh	10.24kWh
Nominal Voltage	51.2V		
Nominal Capacity	100Ah	150Ah	200Ah
Maximum continuous charging/ discharge current	100A		200A
Battery Type	LiFeP04		
Cycle Lifetime	6000+		
Charge Temperature	0~60°		
Discharge Temperature	-20~60°		
Storage Temperature	10~45°		
Product Dimension	483*445*157mm	560*530*200mm	483*445*233mm
Net Weight	42Kg	60Kg	80Kg

02

Lead Replacement Series



- Using lithium iron phosphate battery technology, superior safety, thousands of cycles, 100% deep cycle, under normal conditions.
- Built-in automatic protection for overcharge, over discharge, over current and over temperature.
- Maintenance-free
- Internal balancing
- Lighter weight: about 40%~50% of the weight of similar lead-acid batteries.
- Replace lead-acid batteries.
- Wider temperature range: -20 °C ~60 °C.



Specification Parameters

Specification	12.8V50Ah	12.8V100Ah	12.8V200Ah	12.8V300Ah
Capacity	0.68KWh	1.28KWh	2.56KWh	3.84KWh
Max Charge Current	25A	50A	50A	100A
Max Discharge Current	50A	100A	100A	200A
Operating Voltage Range	10-14.6V	10-14.6V	10-14.6V	10-14.6V
Standard Voltage	12.8V	12.8V	12.8V	12.8V
Max Charge Voltage	14.6V	14.6V	14.6V	14.6V
Cycle Lifetime	6000+			
Operating Humidit	65±20%RH			
Operating Temperature	-10~+50 °C			
Working Height	≤2500m			
Cooling Method	Natural Cooling			
Product Dimension	195*133*171mm	228*138*212mm	283*194*250mm	283*194*250mm
Net Weight	≈5Kg	≈10Kg	≈20Kg	≈25Kg

Specification	25.6V100Ah	25.6V200Ah	25.6V300Ah
Capacity	2.56KWh	5.12KWh	7.68KWh
Max Charge Current	50A	100A	150A
Max Discharge Current	100A	200A	200A
Operating Voltage Range	20-29.2V	20-29.2V	20-29.2V
Standard Voltage	25.6V	25.6V	25.6V
Max Charge Voltage	29.2V	29.2V	29.2V
Cycle Lifetime	6000+		
Operating Humidit	65±20%RH		
Operating Temperature	-10~+50 °C		
Working Height	≤2500m		
Cooling Method	Natural Cooling		
Product Dimension	283*194*250mm	520*260*220mm	640*245*220mm
Net Weight	≈20Kg	≈40Kg	≈52Kg

Smart parking start lithium battery

25.6V 300Ah



GSK's 24V smart lithium battery "saves money and worry, one top three", integrates high-tech capabilities such as ultra-low temperature and high current start, high power and long battery life, remote cloud diagnosis, etc., and has built-in BMS protection.

Product Advantages:

- ▷ Cloud monitoring
- ▷ Customized Battery Cell
- ▷ Extreme cold starting
- ▷ High cost effective, less concern



Application field



Heavy truck

Replace the traditional lead-acid battery with "GSK" Intelligent Lithium Starter Battery in heavy truck, it still supplies power during truck on or stalling. Longer life cycle, faster charging, less weight and no power loose!



SUVs and RVs

"GSK" Intelligent Lithium Starter Battery support high power consumption application: 2.2kw air conditioner, cooking pot, air fryer, kettle, radiator, etc. Happy RV travel with "GSK" Intelligent Lithium Starter Battery.



Engineering and Heavy Industry

Install "GSK" Intelligent Lithium Starter Battery in special operation automotive to support air conditioner running in hot environment is hot, unbearable summer.

Specification Parameters

Rated voltage	25.6V
Rated capacity	300Ah
Operating voltage	20V-29.2V
Starting current energy	>1500A 7680wh
Maximum continuous charging/discharging current	200A/200A
Charging current is recommended	50A
Maximum continuous load power	3072W
Operating temperature	-20℃~65℃
Storage temperature	-10℃~40℃
Cooling method	Natural cooling
Product dimensions	524*365*233mm
Net weight	≈55Kg



03 Auxiliary Series



Fully Protection

- ▷ Over Charge
- ▷ Over Discharge
- ▷ Over Current
- ▷ Over Heat
- ▷ Short Circuit



Specification Parameters

Specification	12.8V162.5Ah	12.8V300Ah	12.8V325Ah	12.8V368Ah
Capacity	2.08KWh	3.84KWh	4.16KWh	4.71KWh
Max Charge Current	100A	150A	200A	200A
Max Discharge Current	100A	200A	200A	200A
Operating Voltage Range	10-14.6V	10-14.6V	10-14.6V	10-14.6V
Standard Voltage	12.8V	12.8V	12.8V	12.8V
Max Charge Voltage	14.6V	14.6V	14.6V	14.6V
Cycle Lifetime	6000+			
Operating Humidit	65±20%RH			
Operating Temperature	-10~+50℃			
Working Height	≤2500m			
Cooling Method	Natural Cooling			
Product Dimension	750*90*123.5mm	823*230*76mm	735*255*78mm	794*206*123.5mm
Net Weight	16Kg	28Kg	32Kg	36Kg

Specification Parameters

Specification	12.8V435Ah	12.8V487.5Ah	12.8V552Ah	12.8V600Ah
Capacity	5.56KWh	6.24KWh	7.06KWh	7.68KWh
Max Charge Current	200A	200A	300A	200A
Max Discharge Current	200A	300A	300A	200A
Operating Voltage Range	10-14.6V	10-14.6V	10-14.6V	10-14.6V
Standard Voltage	12.8V	12.8V	12.8V	12.8V
Max Charge Voltage	14.6V	14.6V	14.6V	14.6V
Cycle Lifetime	6000+			
Operating Humidit	65±20%RH			
Operating Temperature	-10~+50℃			
Working Height	≤2500m			
Cooling Method	Natural Cooling			
Product Dimension	556*345*134mm	730*242*123.5mm	735*255*123.5mm	656*260*195mm
Net Weight	40Kg	46Kg	52Kg	55Kg

04 Golf Cart Series



- Fully Protection**
- ▷ Over Charge
 - ▷ Over Discharge
 - ▷ Over Current
 - ▷ Over Heat
 - ▷ Short Circuit



**Built-in 200A BMS
100% fully protection**

Specification Parameters

Model	GF3660T	GF3610T	GF4860T	GF4810T
Specification	2.3kWh	3.84kWh	3.07kWh	5.12kWh
Capacity	60Ah	100Ah	60Ah	100Ah
Max Charge Current	50A	100A	50A	100A
Max Discharge Current	100A	200A	100A	200A
Operating Voltage Range	30~43.8		40~58.4V	
Standard Voltage	38.4V		51.2V	
Max Charge Voltage	43.8V		58.4V	
Cycle Lifetime	6000+			
Operating Humidity	65±20%RH			
Operating Temperature	-10~+50 °C			
Working Height	≤2500m			
Cooling Methods	Natural Cooling			
Product Dimension	447*283*175mm	531*300*177mm	447*283*175mm	531*300*175mm
Net Weight	26Kg	35Kg	28Kg	42Kg



