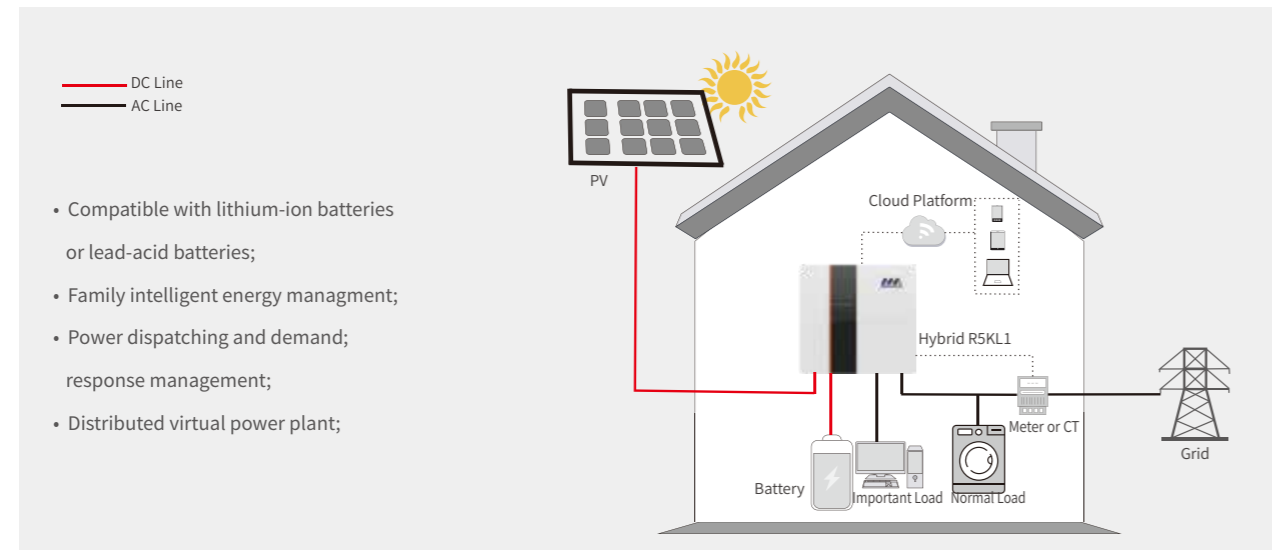




**江苏绿阳新能源科技有限公司**

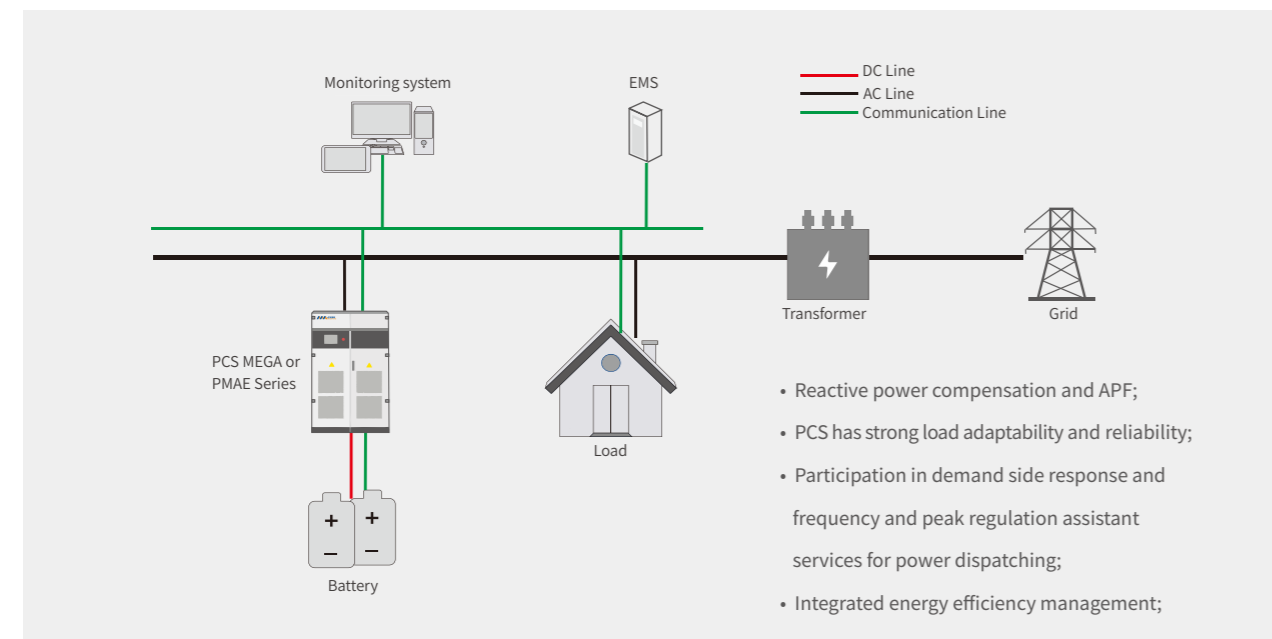
## Residential PV+BESS solutions

With the deepening of the low-carbon concept, the improvement of the economic benefits of zero-carbon home and energy storage, the commercial application of PV+ESS will be gradually realized in developed areas. Megarevo household hybrid inverter solution can quickly respond to EMS dispatching instructions, and form an intelligent and friendly power supply system with rooftop PV, making power generation safer. Maggrainen household hybrid inverter seamlessly switches with the mains, realizing the power supply for users with unstable power.



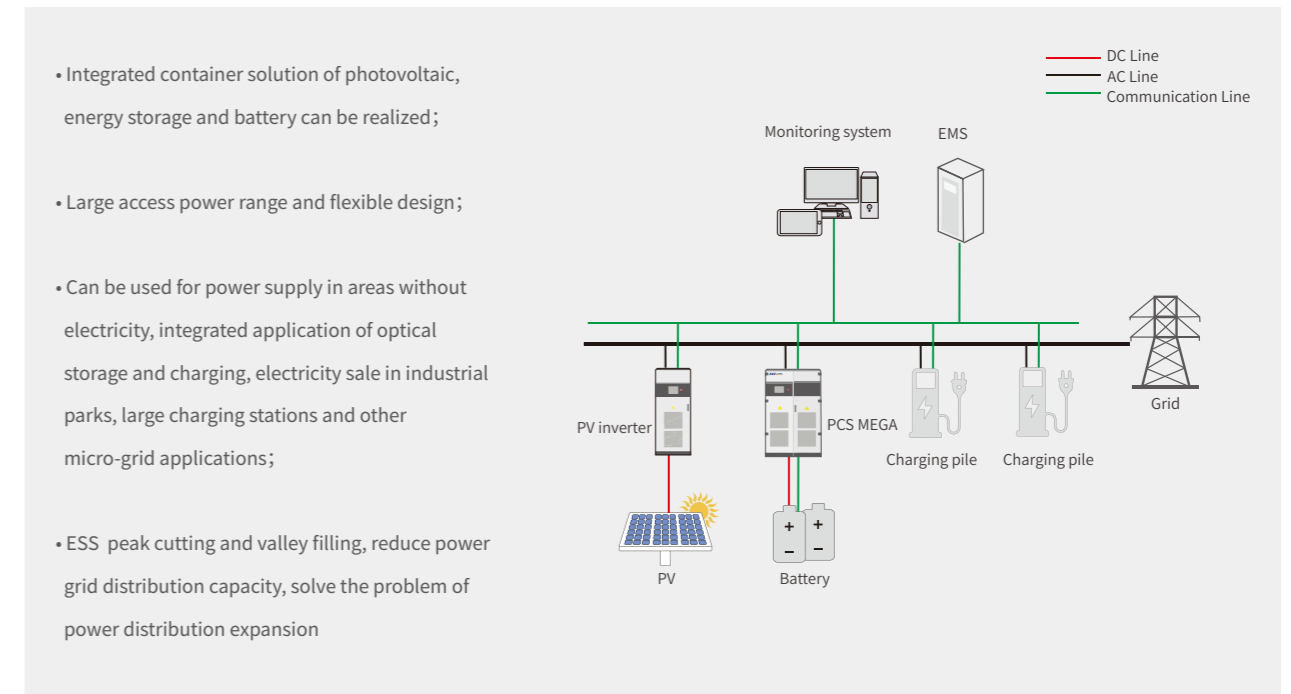
## C&I ESS solutions

Industrial and commercial energy storage systems can not only realize peak-valley arbitrage, but also reduce transformer capacity costs. Megarevo MEGA and PMAE energy storage inverters achieve 98.7% conversion efficiency, increasing the return on investment for users.



## AC-BUS solutions

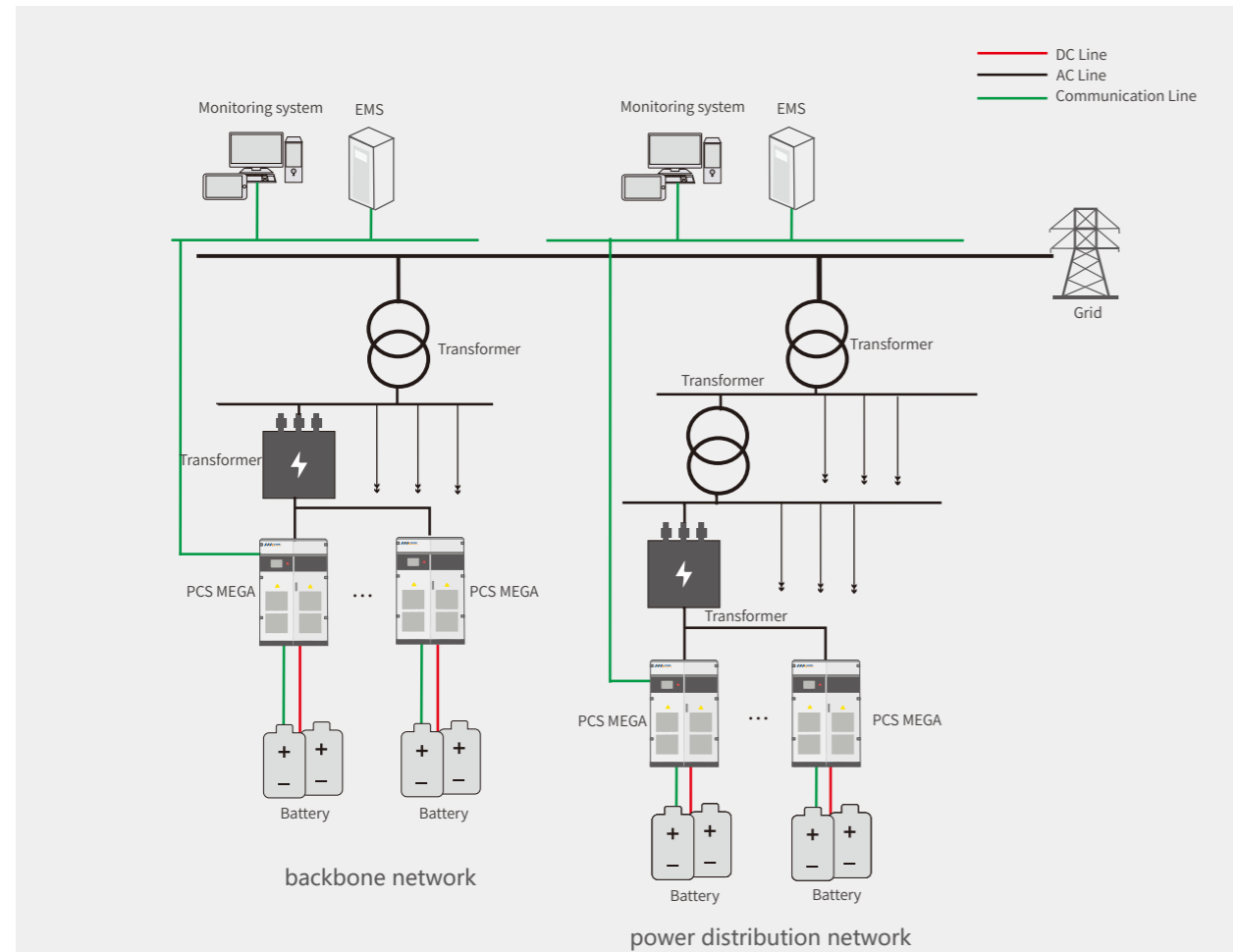
The AC bus solution of integrated optical storage and charging power station is a relatively common optical storage and charging solution at present. The MEGA series inverters can be widely used in the charging station system expansion and multi-function complementary scenarios.



# Grid-side energy storage solution

## Grid-side energy storage solution

With the large-scale access of new energy, the power grid side energy storage becomes more prominent. In order to improve the reliability of the power grid, the power grid side energy storage solution designed by Megarevo can respond to the demand of frequency modulation and peak adjustment at the millisecond level.

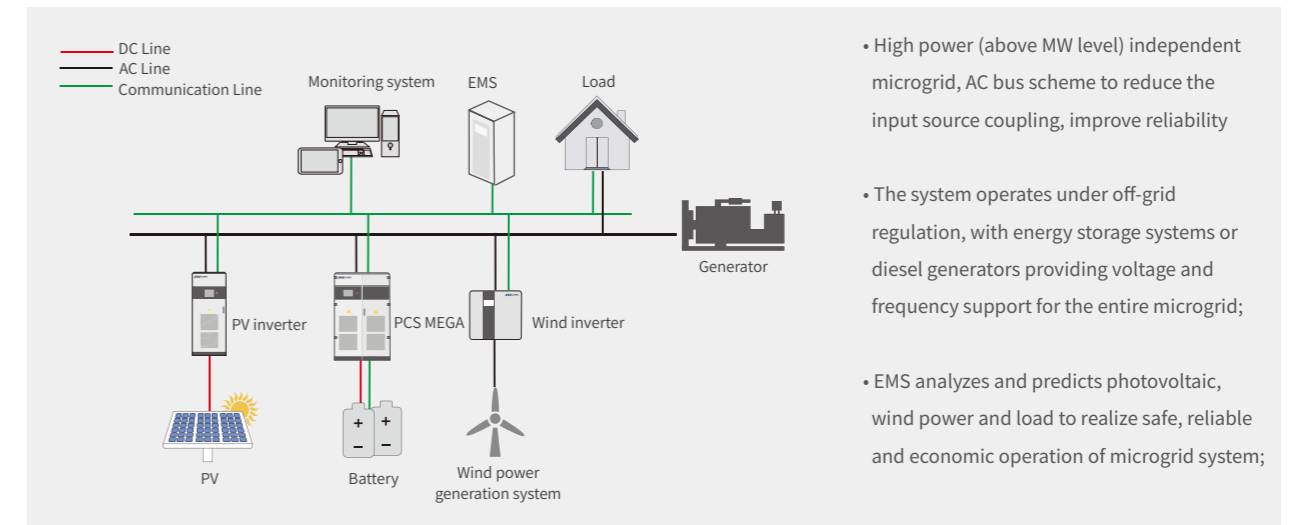


- Support IEC61850 communication protocol;
- Power frequency and peak modulation;
- Independent participation in ancillary services;
- Secondary FREQUENCY modulation, paid peak modulation, AVC, rotary standby, cold standby, black start;

# Microgrid solutions

## Large microgrid off-grid solution

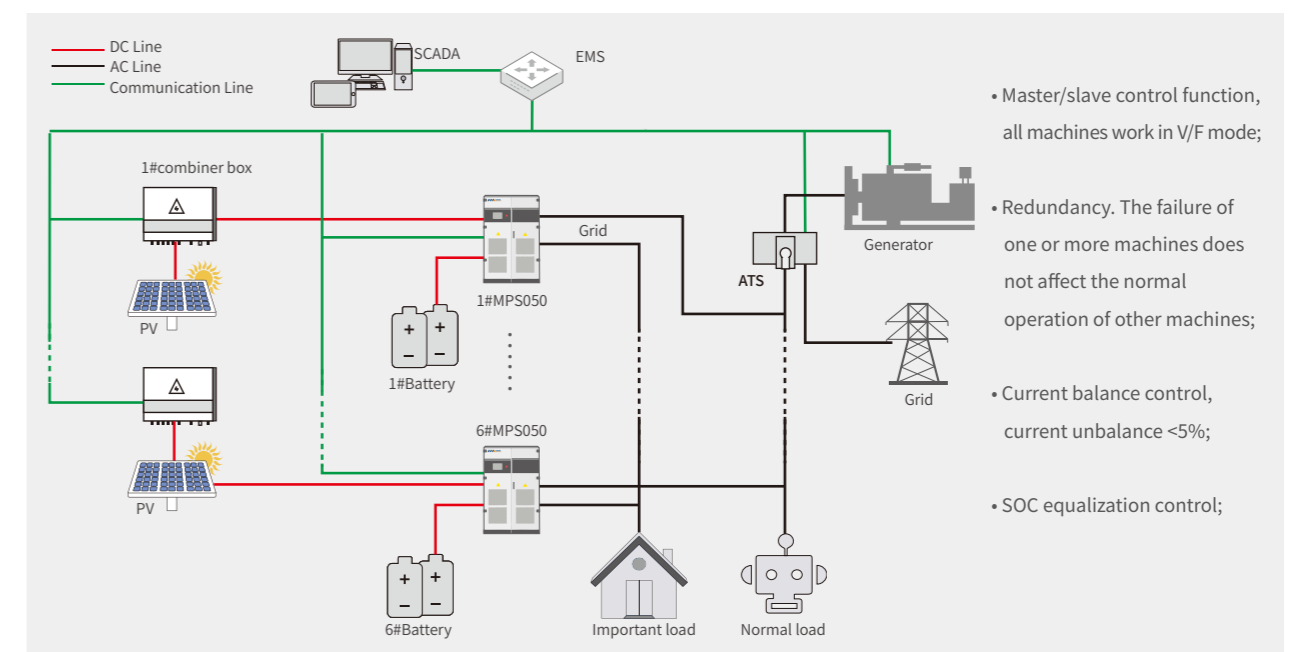
It is difficult to cover the traditional power grid in remote areas, but the local light resources or wind resources are rich. Megarevo can provide high-power (above MW level) independent micro-grid solution, which can reduce the coupling of various input sources, improve the reliability of power supply, so that local residents can truly realize the spontaneous self-use of energy.



- High power (above MW level) independent microgrid, AC bus scheme to reduce the input source coupling, improve reliability
- The system operates under off-grid regulation, with energy storage systems or diesel generators providing voltage and frequency support for the entire microgrid;
- EMS analyzes and predicts photovoltaic, wind power and load to realize safe, reliable and economic operation of microgrid system;

## Medium micro-grid solutions

The medium micro-grid solution adopts the outdoor cabinet structure, which is suitable for scenarios without power grid or unstable power grid. Multiple MPS are parallel and redundant for each other, which improves the reliability of power supply while improving the load capacity of the system, supports dynamic capacity expansion and the mixing of old and new batteries.



- Master/slave control function, all machines work in V/F mode;
- Redundancy. The failure of one or more machines does not affect the normal operation of other machines;
- Current balance control, current unbalance <5%;
- SOC equalization control;

# AC single-phase inverter



Luxury villa



Communication base station




Nomadic farm






Residential electricity

## Product features:

 Supports automatic battery switching;

 Supports intelligent management of multiple parallel servers and BMS

 Compatible with lead-acid and lithium ion batteries and other battery access

 With battery reverse connection  
 Countercurrent function

## REVO residential Energy Storage inverters

Technical specification	G3KL1	G3K6L1	G4KL1	G4K6L1	G5KL1	G6KL1
<b>Input (PV)</b>						
Max. power(kW)	4.6	4.6	6	6	7	7
Max. DC voltage(V)	550					
MPPT voltage range(V)	125~500					
Max. input current of single MPPT(A)	12					
MPPT tracker/strings	2/1					
<b>AC output</b>						
Rated output power(kVA)	3	3.6	4	4.6	5	6
Max. output current(A)	13	16	17.4	20	21.7	26
Grid voltage/range(V)	230/176~270					
Frequency (Hz)	50 /60					
PF	0.8lagging-0.8leading					
THDi	<3%					
AC output topology	L+N+PE					
<b>Battery</b>						
Battery voltage range(V)	40~58					
Max. charging voltage(V)	58					
Max. charge/discharge current(A)	95/62.2	95/75	95/83.3	95/95.8	95/104.2	95/110
Battery type	lithium /Lead-acid					
Communication interface	CAN/RS485					
<b>EPS output</b>						
Rated power (kVA)	3		3.6		4	
	5		6		4.6	
Rated output voltage(V)	230					
Rated output current(A)	13	16	17.4	20	21.7	26
Rated frequency (Hz)	50 /60					
Automatic switchover time (ms)	<20					
THDu	<2%					
Overload capacity	110%, 30S/120%, 10S/150%, 0.02S					
<b>General data</b>						
Battery charge/discharge efficiency	95.0%					
DC Max. efficiency	97.6%					
Euro efficiency	97.0%					
MPPT efficiency	99.9%					
Protection class	IP65					
Noise emission (dB)	<35					
Operation temperature	- 25℃~ 60℃					
Cooling	Natural					
Relative humidity	0 ~95% (non-condensing)					
Altitude	2,000m					
Dimensions W * D * H (mm)	550*200*515					
Weight (kg)	25					
Isolation transformer	No					
Self-consumption(W)	<3					
<b>Display and communication</b>						
Display	LCD					
Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes					

# AC three phase inverter



Luxury villa



Communication base station





Nomadic farm





Residential electricity

## Product features:

 Compatible with lead-acid and lithium ion batteries and other battery access;

 With battery reverse connection protection, compatible anti-countercurrent function;

 IP65 protection grade, low noise < 35dB;

 Support full power discharge, automatic management of battery charge and discharge;

## REVO residential Energy Storage inverters

Technical specification	G8KH3	G10KH3	G12KH3
<b>Input (PV)</b>			
Max. power(kW)	10.4	13	15.6
Max. DC voltage(V)		1,000	
MPPT voltage range(V)		180~850	
Max. input current of single MPPT(A)		12	
MPPT tracker/strings	2/1	2/1	2/1
<b>AC output</b>			
Rated output power(kVA)	8.8	11	13.2
Max. output current(A)	12.7	15.9	19.1
Grid voltage/range(V)		400/360~440	
Frequency (Hz)		50/60	
Power factor		0.8lagging-0.8leading	
THDi		<3%	
AC output topology		3W+N+PE	
<b>Battery</b>			
Battery voltage range(V)		125~600	
Max. charging voltage(V)		600	
Full battery voltage(V)	160	200	250
Max. charge/discharge current(A)	40	40	50
Battery type		lithium /Lead-acid	
Communication Interface		CAN/RS485	
<b>EPS output</b>			
Rated power(kVA)	8.8	11	13.2
Rated output voltage(V)		400V	
Max. output current(A)	12.7	15.9	19.1
Rated frequency(Hz)		50/60	
Automatic switchover time(ms)		<20	
THDu		<2%	
Overload capacity		110%, 30S/120%, 10S/150%, 0.02S	
<b>General data</b>			
Battery chage/discharge efficiency	96.6%	96.7%	96.8%
DC Max. efficiency	97.9%	98.2%	98.2%
Euro efficienc	97.2%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection class		IP65	
Noise emission(dB)		<35	
Operation temperature		-25℃~ 60℃	
Cooling		Natural	
Relative Humidity		0 ~95% (non-condensing)	
Altitude		2,000m	
Dimensions W * D * H (mm)		530*200*600	
Weight(kg)		29	
Isolation transformer		No	
Self-consumption(W)		<3	
<b>Display and communication</b>			
Display		LCD	

# North American split-phase inverter (battery > 80V)



Luxury villa



Communication base station



Nomadic farm



Residential electricity

## Product features:



Support 100% unbalanced load capacity;



Compatible with lead-acid and lithium ion batteries and other battery access ;



Support full power discharge, automatic management of battery charge and discharge;



Support for high-power components



Battery reverse connection protection, compatible with anti-countercurrent function ;



UL certification;

## REVO residential Energy Storage inverters

Technical specification	G6KH1NA	G8KH1NA	G10KH1NA	G12KH1NA
<b>Input (PV)</b>				
Max. power(kW)	7.8	10.4	13	15.6
Max. DC voltage(V)			500	
MPPT voltage range(V)		125 - 500		
Max. Input current of single MPPT(A)		12		
MPPT tracker/strings		4/1		
<b>AC output</b>				
Rated output power(kVA)	6	8	10	12
Max. output current(A)	27.3	36.4	45.4	50
Grid voltage/range(V)		240/211~264		
Frequency (Hz)		50/60		
PF		0.8lagging-0.8leading		
THDi		< 3%		
AC output topology		L+N+PE		
<b>Battery</b>				
Battery voltage range(V)		85~400		
Max. charging voltage(V)		400		
Max. charge/discharge current(A)		80/80		
Battery type		lithium /Lead-acid		
Communication Interface		CAN,RS485		
<b>EPS output</b>				
Rated power(kVA)	6	8	10	12
Rated output voltage(V)		220-240 /110-120		
Rated frequency(Hz)		50/60		
Automatic switchover time(ms)		<20		
THDu		< 2%		
Overload capacity		110%,30S/120%,10S/150%,0.02S		
<b>General data</b>				
Max. efficiency		≥98.2%		
CEC efficiency		≥97.2%		
Protection class		IP65/NEMA 3R		
Noise emission(dB)	<25	<25	<29	<29
Operation temperature		-25℃~60℃		
Cooling		Natural		
Relative humidity		0 ~95% (non-condensing)		
Altitude		2,000m		
Weight(kg)		32		
Dimensions W * D * H (mm)		530*200*660		
<b>Display and communication</b>				
Display		LCD		
Interface:RS485/Wifi/4G/CAN/DRM		Yes/ Opt/ Opt/ Yes/ Yes		
Standby power consumption at night(W)		< 2.5 (With the battery < 5 )		
Isolation transformer		No		
safety standard		UL1741SA all options, UL1699B, CSA 22.2		
EMC		FCC Part 15, Class B		
On-grid		IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I, II, III		

# North American split-phase inverter (battery:48V)



Luxury villa



Communication base station



Nomadic farm



Residential electricity

## Product features:



Support high-power components and multi-machine parallel connection;



Single-machine off-line load capacity 100A;



Support 100% unbalanced output;



UL certification;

## REVO residential Energy Storage inverters

Technical specification	G5KLNA	G6KLNA	G8KLNA	G10KLNA
<b>Input (PV)</b>				
Max. power(kW)	7.5	9	12	13
Max. DC voltage (V)	500			
MPPT voltage range(V)	120~500			
Max. Input current of single MPPT(A)	12			
MPPT tracker/strings	4/1			
<b>AC output</b>				
Rated output power(kVA)	5	6	8	10
Max. output current(A)	24	28.8	38.3	47.8
AC output voltage(V)	120/240(split phase), 208(2/3 phase),230 (single phase)			
Frequency (Hz)	50/60			
PF	0.8lagging-0.8leading			
THDi	< 3%			
AC output topology	Split phase, 2/3 phase, single phase			
<b>Battery</b>				
Battery voltage range(V)	40~58			
Max. charging voltage(V) Max.	58			
charge/discharge current(A)	120/120	135/135	190/190	210/210
Battery type	lithium /Lead-acid			
Communication interface	CAN/RS485			
<b>EPS output</b>				
Rated power(kVA)	5	6	8	10
Rated output voltage(V)	120/240(split phase), 208(2/3 phase),230 (single phase)			
Rated output current(A)	24	28.8	38.3	47.8
Rated frequency(Hz)	50/60			
Automatic switchover time(ms)	<20			
THDu	< 2%			
Overload capacity	125%,60S/150%,1S			
<b>General data</b>				
Max. efficiency	≥98.2%			
North american efficiency	≥97.2%			
Protection class	IP65/NEMA 3R			
Noise emission(dB)	<25	<29	<29	<29
Operation temperature	-25℃~60℃			
Cooling	Natural			
Relative humidity	0 ~95% (non-condensing)			
Altitude	2,000m			
DimensionsW*D*H(mm)	430*220*710			
Weight(kg)	32			
Isolation transformer	No			
Self-consumption(W)	<3			
<b>Display and communication</b>				
Display	LCD, touch screen			
Interface:RS485/Wifi/4G/CAN/DRM	Yes			
safety standard	UL1741SA all options, UL1699B, CSA22.2			
EMC	FCCPart 15, ClassB			
On-grid	IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I,II,III,NRS			

# Lithium battery energy storage system

## ■ GBP rack-mounted lithium iron phosphate battery



### Product Introduction

This product is composed of high-quality lithium iron phosphate batteries (by series and parallel) plus an advanced BMS battery management system. It can be used as an independent DC power supply or as a "basic unit" to form a variety of specifications of energy storage lithium battery power systems. High reliability and long life. It can be used as a backup power supply for communication base stations, a backup power supply for a digital center, a home energy storage power supply, an industrial energy storage power supply, etc.

### Performance characteristics

The product adopts modular design, higher integration, and saves installation space; adopts high-performance lithium iron phosphate cathode material, good battery core consistency, and designed service life of more than 10 years; one-key switch machine, front operation, front wiring, convenient installation Convenient maintenance and operation; diverse functions, over-temperature alarm protection, over-charge and over-discharge protection, short-circuit protection; strong compatibility, can be seamlessly connected with UPS, photovoltaic power generation and other main equipment; various forms of communication interfaces, CAN/RS485, etc. can be based on Customized according to customer needs to facilitate the flexible use of system remote monitoring. High-energy, low-power lithium battery equipment achieves higher energy supply, lower energy consumption, and reduces environmental pollution; adopts all-round, multi-level battery protection strategies and fault isolation measures to ensure the safe operation of the system.

- ◆ Small size and light weight
- ◆ Maintenance-free
- ◆ Environmental protection and pollution-free materials, no heavy metals, green and environmental protection
- ◆ The standard cycle life exceeds 5000 times
- ◆ Accurately estimate the state of charge of the battery pack, that is, the remaining power of the battery, to ensure that the power of the battery pack is maintained within a reasonable range
- ◆ Built-in BMS management system with comprehensive protection and monitoring and control functions

Model	GBP24V-50AH	GBP24V-100AH	GBP48V-50AH	GBP48V-100AH
Nominal volt (V)	24		48	
Nominal capacity (AH)	50	100	50	100
Working volt range	22.4-30		42-56.25	
Recommend charging volt (V)	27.6		51.75	
Recommend discharging cutoff volt (V)	24		45	
Standard charging current(A)	25	50	25	50
Max. Constant charging current(A)	50	100	50	100
Standard discharging current (A)	25	50	25	50
Max. Discharging current (A)	50	100	50	100
Temperature (°C)	-30°C~60°C(Recommend 10°C~35°C)			
Allowable humidity range	0~85% RH			
Storage temperature (°C)	-20°C~65°C(Recommend 10°C~35°C)			
Protection	IP20			
Cooling method	Natural air cooling			
Maximum Dimension (W*D*H) mm	482.6*360*175	482.6*535*175	482.6*360*175	482.6*535*175
Net Weight	15KG	28.5KG	28.5KG	52.5KG

Above information is just for reference, no inform if there is any change. Special voltage can be customized.



# Lithium battery energy storage system

## ■ GBP wall type lithium iron battery for communication



### Product Introduction

The product adopts modular design, higher integration, and saves installation space; adopts high-performance lithium iron phosphate cathode material, good battery core consistency, and designed service life of more than 10 years; one-key switch machine, front operation, front wiring, convenient installation Convenient maintenance and operation; diverse functions, over-temperature alarm protection, over-charge and over-discharge protection, short-circuit protection; strong compatibility, can be seamlessly connected with UPS, photovoltaic power generation and other main equipment; various forms of communication interfaces, CAN/RS485, etc. can be based on Customized according to customer needs to facilitate the flexible use of system remote monitoring. High-energy, low-power lithium battery equipment achieves higher energy supply, lower energy consumption, and reduces environmental pollution; adopts all-round, multi-level battery protection strategies and fault isolation measures to ensure the safe operation of the system.

### Performance characteristics

- ◆ Small size and light weight
- ◆ Maintenance-free
- ◆ Environmental protection and pollution-free materials, no heavy metals, green and environmental protection
- ◆ The standard cycle life exceeds 5000 times
- ◆ Accurately estimate the state of charge of the battery pack, that is, the remaining power of the battery, to ensure that the power of the battery pack is maintained within a reasonable range
- ◆ Built-in BMS management system with comprehensive protection and monitoring and control functions

Model	GBP48V-50AH	GBP48V-100AH
Nominal voltage	48	
Nominal capacity ( AH )	50	100
Working voltage range	42-56.25	
Recommend charge voltage ( V )	51.75	
Recommend discharge cut-off voltage ( V )	45	
Standard charge current(A)	25	50
Max. Constant charge current(A)	50	100
Standard discharge current ( A )	25	50
Max. Discharge current ( A )	50	100
Temperature ( °C )	-30°C ~ 60°C ( recommend 10°C ~ 35°C )	
Allowed humidity range	0 ~ 85% RH	
Storage temperature ( °C )	-20°C ~ 65°C ( recommend 10°C ~ 35°C )	
Protection level	IP20	
Cooling method	Natural air cooling	
Wall type max. size ( W*D*H ) mm	410*180/220 ( including racks ) *590	
Weight	30KG	53KG

Above information is just for reference, no inform if there is any change. Special voltage can be customized.

# Lithium battery energy storage system

## ■Lithium battery cluster energy storage system



lithium battery pack

Lithium battery cluster

### Product Introduction

GBP series lithium iron phosphate battery is a new type of environmental protection standby power supply developed for energy storage and power reserve applications. The system adopts the environmental protection lithium iron phosphate battery and the customized BMS system to effectively manage the battery cells, which has better product performance and safety reliability than the traditional battery. The product has longer cycles of charge and discharge, high power density and long service life. The unique design and innovation in compatibility, energy density, dynamic monitoring, safety, reliability and product appearance can bring better energy storage application experience for users.

### Product advantages

- ◆ The product adopts modular design, higher integration, saving installation space;
- ◆ Adopts high performance lithium iron phosphate cathode material, good core consistency, design service life of more than 10 years;
- ◆ One-key switch machine, front operation, front wiring, convenient installation and maintenance, easy operation;
- ◆ Various functions, with over temperature alarm protection, over charge and over discharge protection and short circuit protection;
- ◆ Strong compatibility, seamless docking with UPS, photovoltaic power generation and other main equipment;
- ◆ Various communication interface forms, CAN/RS485 and so on can be customized according to customer's needs, convenient for remote monitoring of the system;
- ◆ Flexible use, can be used as an independent DC power supply or as a basic unit to form a variety of specifications of energy storage power supply system and container energy storage system. It can be used as communication base station backup power supply, digital center backup power supply, home energy storage power supply, industrial energy storage power supply, etc.

### Performance characteristics

- ◆ Small, light weight;
- ◆ Maintenance-free;
- ◆ Environmental protection non-polluting materials, no heavy metals, green environmental protection;
- ◆ Standard cycle life is over 5000 times;
- ◆ Accurately estimate the charge state of the battery pack, that is, the remaining battery quantity, to ensure that the battery pack quantity is maintained within a reasonable range;
- ◆ Built-in BMS management system with full protection and monitoring control.

### Lithium battery pack parameter table

Model	GBP2450	GBP24100	GBP4850	GBP48100	GBP96100	GBP96200
Rated energy (KWH)	1.2	2.4	2.4	4.8	9.6	19.2
Nominal capacity (AH)	50	100	50	100	100	200
Nominal voltage (VDC)	25.6		48		96	
Operating voltage range (VDC)	20.8~30.4		41.6~60.8		78~114	
Recommended charge voltage (VDC)	27.6		51.5		103.5	
Recommended discharge cutoff voltage (VDC)	24		45		90	
Standard charging current (A)	25	50	25	50	50	100
Maximum continuous charge current (A)	50	100	50	100	100	200
Standard discharge current (A)	25	50	25	50	50	100
Maximum continuous discharge current (A)	50	100	50	100	100	200
Working temperature	-20~65℃					
Protection level	IP20					
Communication interface	RS485/CAN (two choose one)					
Weight(KG)	15	28.5	28.5	52.5	110	240
Size(D*W*H mm)	482*300*266	482*300*532	482*500*266	482*500*532	482*500*532	482*500*1064

## Lithium battery cluster parameter table

Module	GBP 192100	GBP 192200	GBP 220100	GBP 220200	GBP 360100	GBP 360200	GBP 384100	GBP 384200	GBP 480100	GBP 480200	GBP 760100	GBP 760200
Cell type	Lithium iron phosphate											
Rated energy (KWH)	19.2	38.4	22	44	36	72	38.4	76.8	48	96	76	152
Nominal capacity (AH)	100	200	100	200	100	200	100	200	100	200	100	200
Nominal voltage (VDC)	192		220.8		358.4		384		480		768	
Operating voltage range (VDC)	156~228		179.4~262.2		291.2~425.6		312~456		390~570		644~912	
Recommended charge voltage (VDC)	210		238		392		420		525		840	
Recommended discharge cutoff voltage (VDC)	180		207		336		360		450		720	
Standard charging current (A)	50	100	50	100	50	100	50	100	50	100	50	100
Maximum continuous charge current (A)	100	200	100	200	100	200	100	200	100	200	100	200
Standard discharge current (A)	50	100	50	100	50	100	50	100	50	100	50	100
Maximum continuous discharge current (A)	100	200	100	200	100	200	100	200	100	200	100	200
Working temperature	-20~65℃											
Protection level	IP20											
Communication interface	RS485/CAN(two choose one)											
Weight(KG)	360	720	400	800	700	1400	720	1440	950	1800	1400	2800
Size(D*W*H mm)	964*500 *800	964*5 *1330	964*500 *800	964*500 *1330	964*500 *1400	964*1000 *1400	964*500 *1400	964*1000 *1400	964*500 *1600	964*1000 *1600	964*500 *1600	964*1000 *1600

Remarks: cycle life ≥ 5000, 25 °C, 80% DOD

# EMS (energy management system)

EMS is developed by GSO for a variety of application scenarios of energy storage systems. Through independent learning and data analysis, EMS can provide users with optimal charging and discharging operation strategies to help customers improve the efficiency of clean energy use and optimize electricity bills. In addition, the EMS supports system monitoring and real-time fault alarms. Can easily master the system charging state, battery voltage, temperature, auxiliary system status and other detailed information anytime and anywhere.



## Functional maturation

- Support multiple communication protocols;
- Support 5-year historical data traceability;

## Intelligent security

- More accurate and comprehensive monitoring;
- Real-time control of PCS and battery operation data;

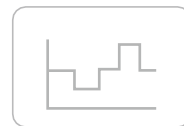
## Easy & convenient

- User-friendly operation interface, simple and easy to operate;
- Support mobile APP/wechat mini program, remote management;

## Application Area



Microgrid system energy control



C&I peak cutting and valley filling energy control



Optical storage and charging system energy control

Frequency modulation peak modulation energy control

# BR3000 communication management machine

BR3000 communication management machine adopts high-performance 4-core A9 processor, main frequency up to 1.4ghz, supports 2 10/100 adaptive industrial Ethernet interface, 4 serial communication interface (1 RS232/4 RS485), CAN be customized WIFI/CAN, large capacity SD memory card interface, built-in RTC, buzzer, etc. It can provide users with powerful computing capacity and flexible communication modes, small size and easy installation. Embedded with 512MB DDR3 SDRAM and 8G Flash memory, rich communication ports are ideal for PV power station communication, power environment monitoring in computer rooms, ESS energy management and other applications.



- Supports 4 RS485, 1 RS232, 2 Ethernet, standard 4G, support WIFI/CAN customization;
- Linux operating system, perfect debugging software, convenient and flexible device access;

- Embedded WEB built-in database, data cloud platform, mobile phone wechat small program access

- Equipped with large capacity Flash and memory, supporting device data browsing and historical data report query through embedded WEB;

## Data acquisition stick



Data acquisition stick supports GPRS, WiFi, 4G, Ethernet and other communication modes. In addition, the bucket rod loggers support serial communication such as RS485/RS232/RS422/TTL. The multi-cover design makes it suitable for most inverters. By collecting the operating status and generating capacity of the inverter, rod loggers can effectively monitor the pv system over long periods of time, improving efficiency and significantly reducing administrative costs. Its extended features such as GNSS, shutdown alerts, Bluetooth, stick logger enable quCIK configuration on site and simple plant operations.

# Container energy storage system

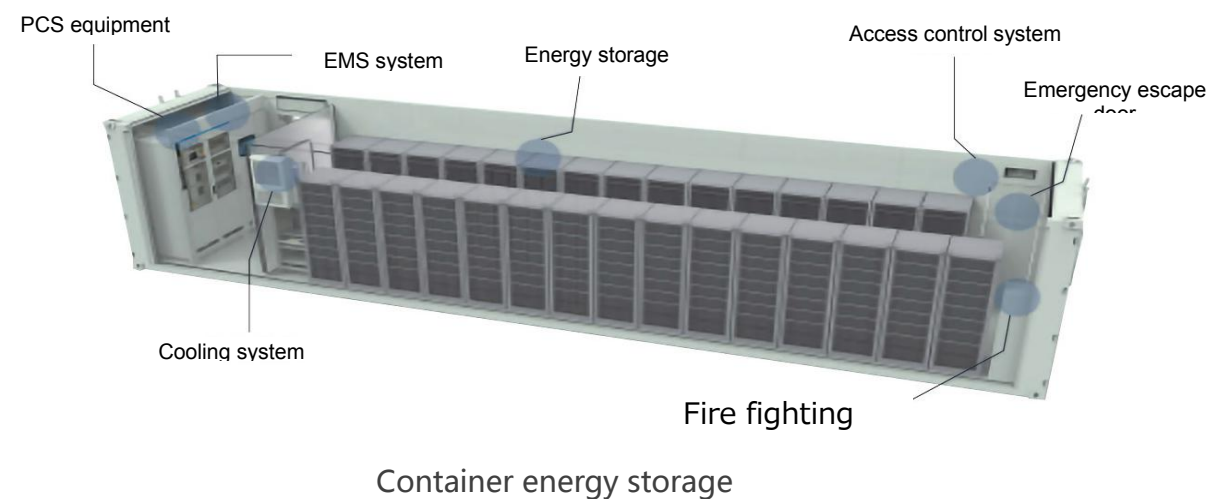
## High voltage lithium battery energy storage system



### Product advantages

- ◆ Flexibly configured type and capacity of battery system according to customer demand;
- ◆ PCS adopts modular architecture, simple maintenance and flexible configuration, which can realize multiple parallel operation;
- ◆ Supports hybrid operation mode, seamless switching and black start;
- ◆ EMS unattended system, local control and cloud monitoring operation, with high customization function;
- ◆ It has many modes, such as peak cutting and valley filling, demand response, anti current operation, backup power supply, command response, etc;
- ◆ Perfect gas fire extinguishing system, automatic fire monitoring and alarm system, sound and light alarm and fault upload;
- ◆ Perfect heat dissipation and temperature control system to ensure that the temperature of the battery compartment is in the best working range;
- ◆ Access control system has the functions of remote control and local operation.

### Product appearance



### Container energy storage system parameter table

Module	40 foot container energy storage system
Output power (kw)	250-1000 (Customized)
Battery capacity (KWH)	1000-2000 (Customized)
Protection level	IP54
Working temperature	-20-55℃
Altitude (m)	3000
Size (L*W*H m)	12.192×2.438×2.896
Cooling system	Industrial air conditioning / forced air cooling / temperature control
Monitoring system	EMS / video surveillance
Fire fighting system	FM-200
Access control system	Yes
Lighting system	Normal & Emergency
Battery management system	Yes