Single Phase GST Series

Hybrid Inverter



High Efficiency & Energy Saving Conversion

Excellent charging and inversion efficiency with low energy loss for energy-saving operation.

Multiple Charging Strategies

Four charging modes available: Mains Priority, PV Priority, Hybrid Mains & PV, PV Only. Suitable for various power supply scenarios.

Practical Emergency Capability

Supports battery-less output and independent PV startup with load; equipped with battery activation function to guarantee emergency power supply during power outage.

Cloud Intelligent Management & Control

Support communication with upper computer and APP cloud. Real-time viewing of operating data and device status; remote control and parameter modification.

Flexible Capacity Expansion & Parallel Operation

Up to 9 units can be paralleled. The system outputs single-phase or three-phase AC power for flexible power expansion.

Safe & Intelligent Operation & Maintenance

Complete hardware and software protection mechanisms; identify and display fault types. Support scheduled charging and discharging to optimize electricity costs.

Specifications of Single Phase GST Series Hybrid Inverter

Model	GST48-3.5K-P1	GST48-6.6K-P1	GST48-8.5K-P1	GST48-10.5K-P1	GST48-12.5K-P1
Inverter Output					
Rated Output Power (W)	3500	6600	8500	10500	12500
Rated Output Power (VA)	3500	6600	8500	10500	12500
Max. Peak Power (W)	7000	13200	17000	21000	25000
Rated AC Output	230VAC (Adjustable: 200/208/220/240VAC), 50/60Hz				
Output Voltage Waveform	Pure Sine Wave				
Inverter & Bypass Switching Time (ms)	10 (Typical)				
Max. Parallel Quantity	9				
Max. Battery Inversion Efficiency	93%				
Overload Protection	102%~110%, 5min; 110%~125%, 10s; >125%, 5s				
Battery					
Battery Type	Lithium Battery / Lead-acid Battery / User Defined				
Rated Battery Voltage (VDC)	48				
Battery Voltage Range (VDC)	40~60				
Max. MPPT Charging Current (A)	60	120	200	220	240
Max. Mains Charging Current (A)	60	60	100	120	120
Max. Mixed Charging Current (A)	80	120	200	220	240
PV Charging					
Number of MPPT	1	1	2		
Max. PV Array Power (W)	4000	6600	6600+6600		
Max. PV Input Current (A)	15	22	22+22		
Max. Open-circuit Voltage (VDC)	500	500	500+500		
MPPT Operating Range (VDC)	120~450				
MPPT Tracking Efficiency	99.9%				
Mains Input					
Input Voltage Range (VAC)	90~280/170~280				
Frequency Range (Hz)	50/60±0.3				
Bypass Overload Current (A)	30	40	63	63	63
Specifications					
Dimensions (DWH) mm	130*350*455	130*350*455	130*445*630	130*445*630	130*445*630
Weight (kg)	10	12	25	25	25
Protection Level	IP20				
Operating Temperature (℃)	-10~55				
Storage Temperature (℃)	-25~60				
Noise Level (dB)	<60				
Cooling Method	Forced Air Cooling (Adjustable Fan Speed)				
Communication					
Embedded Interface	RS485 / CAN / USB / Dry Contact				
External Module	Wi-Fi/4G				
Certifications					
Safety	CE(IEC62109-1)				
EMC	EN61000				

Note: All data above are for reference only and subject to change without prior notice.

Single Phase GST II Series

Hybrid Inverter



High Efficiency & Energy Saving
Excellent charging and inversion efficiency with low energy loss for more economical operation.

Multiple Charging & Output Priority Strategies
Equipped with various charging and output priority modes, adaptable to diverse power supply scenarios.

Practical Emergency Capability
Supports battery-free output and standalone PV startup with load. It also features battery activation to guarantee power supply during blackouts.

Cloud Intelligent Management & Control
Supports cloud communication via host computer and APP. Real-time viewing of operating data and device status, plus remote parameter adjustment.

Optional Parallel Operation & Unlimited Grid-tied Load (6.6K and 12K model only)
Up to 9 units can be paralleled. The system outputs single-phase and three-phase AC power for flexible power expansion. External CT enables unlimited grid-tied load capacity.

Safe & Intelligent Operation & Maintenance
Complete software and hardware protection mechanisms. It can identify and display fault types.

Parameters of Single-Phase GST II Series Hybrid Inverter

Product Model	GST II 24-3.6K-P1	GST II 48-6.6K-P1	GST II 48-12K-P1
Inverter Output			
Rated Output Power (VA)	3600	6600	12000
Output Power Factor	1.0		
Rated AC Output	230Vac (220/240Vac configurable), 50/60Hz±0.1%		
Output Voltage Waveform	Pure Sine Wave		
Inverter & Bypass Switchover Time	10ms/20ms		
Max. Parallel Quantity	Not Support Parallel	9 Units	
Max. Battery Inversion Efficiency	92.7%	94%	
Overload Protection	102%~110%, 1min 110%~130%, 10s 130%~150%, 3s >150%, 0.2s	102%~120%, 1min >120%, 10s	102%~125%, 1min 125%~200%, 10s
Battery			
Battery Type	Lithium Battery / Lead-Acid / User Customizable		
Rated Battery Voltage (VDC)	24	48	
Battery Voltage Range (VDC)	21~30.5	42~61	
Max. MPPT Charging Current (A)	100	120	160
Max. Grid Charging Current (A)	100	120	160
Max. Hybrid Charging Current (A)	100	120	160
Charging Voltage Accuracy	±5%		
Charging Mode	Three-Stage / Two-Stage		
PV Charging			
Number of MPPT	1	1	2
Max. Total Input Power (W)	5000	9000	15000
Max. Single-Channel Input Power (W)	5000	9000	9000
Max. Single-Channel Input Current (A)	18	27	27
PV Input Short-Circuit Current (A)	22	33	33
Max. Open-Circuit Voltage (V)	500	500	500
MPPT Operating Range (V)	60~450	80~450	80~450
Grid Input			
Input Voltage Range (VAC)	90~280/170~264		
Frequency Range (Hz)	50/60±10		
Input Power Factor	0.99		
Max. Bypass Current (A)	20	40	70
Specifications			
Dimensions (W*D*H mm)	285*100*445	330*110*420	425*120*575
Weight (Kg)	7	9	16
IP Rating	IP20		
Operating Temperature Range (℃)	-10~50	-10~60	
Storage Temperature Range (℃)	-15~60		
Operating Ambient Humidity (%RH)	20%~95%, Non-condensing		
Communication			
Embedded Interface	RS232		
External Module	WiFi		
Certifications			
Safety	EN62109-1/2		
EMC	IEC61000		

Note: Specifications are for reference only and subject to change without prior notice.

Three-Phase GST Series

Hybrid Inverter



High Efficiency & Energy Saving Conversion

Excellent charging and inversion efficiency with low energy loss for energy-saving operation.

Multiple Charging Strategies

Four charging modes available: Mains Priority, PV Priority, Hybrid Mains & PV, PV Only. Suitable for various power supply scenarios.

Practical Emergency Capability

Supports battery-less output and independent PV startup with load; equipped with battery activation function to guarantee emergency power supply during power outage.

Cloud Intelligent Management & Control

Support communication with upper computer and APP cloud. Real-time viewing of operating data and device status; remote control and parameter modification.

Flexible Capacity Expansion & Parallel Operation

Up to 9 units can be paralleled.

Safe & Intelligent Operation & Maintenance

Complete hardware and software protection mechanisms; identify and display fault types. Support scheduled charging and discharging to optimize electricity costs.

Parameters of Three-Phase GST Series Hybrid Inverter

Model	GST48-8.5K-P3	GST48-10.5K-P3	GST48-12.5K-P3
Inverter Output			
Rated Output Power (W)	8500	10500	12500
Rated Output Power (VA)	8500	10500	12500
Max. Peak Power (W)	17000	21000	25000
Rated AC Output	400VAC, 3-Phase, 50/60Hz		
Output Voltage Waveform	Pure Sine Wave		
Inverter & Bypass Switching Time (ms)	10 (Typical)		
Max. Battery Inversion Efficiency	≥93%		
Overload Protection	102%~110%, 5min; 110%~125%, 10s; >125%, 5s		
Battery			
Battery Type	Lithium Battery / Lead-acid / User Defined		
Rated Battery Voltage (VDC)	48		
Battery Voltage Range (VDC)	40~60		
Max. Mains Charging Current (A)	100	120	120
Max. Mixed Charging Current (A)	200	220	240
PV Charging			
Number of MPPT	2	2	2
Max. PV Array Power (W)	6600+6600	7500+7500	9000+9000
Max. PV Input Current (A)	22+22		
Max. Open-circuit Voltage (VDC)	800+800		
MPPT Operating Range (VDC)	200~650		
MPPT Tracking Efficiency	99.9%		
Mains Input			
Input Voltage Range (VAC)	Phase Voltage: 170~280, Line Voltage: 305~485		
Frequency Range (Hz)	50/60±0.3		
Bypass Overload Current (A)	23	29	35
Specifications			
Dimensions (DWH) mm	130*445*630		
Weight (kg)	23		
Protection Level	IP20		
Operating Temperature (℃)	-10~55		
Storage Temperature (℃)	-25~60		
Noise Level (dB)	<60		
Cooling Method	Forced Air Cooling (Adjustable Fan Speed)		
Communication			
Embedded Interface	RS485/CAN/USB/Dry Contact		
External Module	WIFI/4G		
Certifications			
Safety	CE(IEC62109-1)		
EMC	EN61000		

Note: All data above are for reference only and subject to change without prior notice.

US Standard GST Series

Hybrid Inverter



Excellent charging and inversion efficiency with low energy loss for energy-saving operation.

Multiple Charging Strategies

Four charging modes available: Mains Priority, PV Priority, Hybrid Mains & PV, PV Only. Suitable for various power supply scenarios.

Practical Emergency Capability

Supports battery-less output and independent PV startup with load; equipped with battery activation function to guarantee emergency power supply during power outage.

Cloud Intelligent Management & Control

Support communication with upper computer and APP cloud. Real-time viewing of operating data and device status; remote control and parameter modification.

Flexible Capacity Expansion & Parallel Operation

Supports parallel connection of up to 9 units. The system can output single-phase, split-phase and three-phase AC power with flexible power expansion.

Safe & Intelligent Operation & Maintenance

Complete hardware and software protection mechanisms; identify and display fault types. Support scheduled charging and discharging to optimize electricity costs.

US Standard GST Series Hybrid Inverter Specifications

Model	GST48-6.6K-U	GST48-8.5K-U	GST48-10.5K-U	GST48-12.5K-U
Inverter Output				
Rated Output Power (W)	6600	8500	10500	12500
Rated Output Power (VA)	6600	8500	10500	12500
Max. Peak Power (W)	13200	17000	21000	25000
Rated AC Output	120Vac, 50/60Hz	120/240Vac (Single-phase/Split-phase), 50/60Hz		
Output Voltage Waveform	Pure Sine Wave			
Inverter & Bypass Switching Time (ms)	10 (Typical)			
Max. Parallel Quantity	9			
Max. Battery Inversion Efficiency	93%			
Overload Protection	102%~110%, 5min; 110%~125%, 10s; >125%, 5s			
Battery				
Battery Type	Lithium Battery / Lead-acid / User-defined			
Rated Battery Voltage (VDC)	48			
Battery Voltage Range (VDC)	40~60			
Max. MPPT Charging Current (A)	120	200	220	240
Max. Mains Charging Current (A)	60	100	120	120
Max. Mixed Charging Current (A)	120	200	220	240
PV Charging				
Number of MPPT	1	2	2	2
Max. PV Array Power (W)	6600	6600+6600	6600+6600	6600+6600
Max. PV Input Current (A)	22	22+22	22+22	22+22
Max. Open-circuit Voltage (VDC)	500	500+500	500+500	500+500
MPPT Operating Range (VDC)	120~450			
MPPT Tracking Efficiency	99.9%			
Mains Input				
Input Voltage Range (VAC)	90~140			
Frequency Range (Hz)	50/60±0.3			
Bypass Overload Current (A)	40	50	63	63
Specifications				
Dimensions (DWH) mm	350*130*455	445*130*630	445*130*630	445*130*630
Weight (kg)	13	25	25	25
Protection Level	IP20			
Operating Temperature (℃)	-10~55			
Storage Temperature (℃)	-25~60			
Noise Level (dB)	<60			
Cooling Method	Forced Air Cooling (Adjustable Fan Speed)			
Communication				
Embedded Interface	RS485/CAN/USB/Dry Contact			
External Module	WIFI/4G			
Certifications				
Safety	CE(IEC62109-1)			
EMC	EN61000			

Note: All data above are for reference only and subject to change without prior notice.

GSL-Link I Series

Solar-Storage All-in-One Lithium Battery System



Efficient Integration, All-in-One Solution

Integrates PV, energy storage, inverter and power distribution in one unit. Easy installation and maintenance. The integrated design saves space, suitable for residential, commercial and industrial scenarios.

Smart Solar-Storage with Flexible Scheduling

Supports multiple operating modes. Solar-storage coordination algorithm improves self-consumption and maximizes PV self-use rate. Off-grid operation ensures reliable power supply for critical loads.

Easy Operation & Visualized Management

High-definition touch screen displays core data. Dual-channel control via local panel and mobile APP remote access. Standard wiring reduces construction difficulty.

Safe, Reliable & Durable

Adopts high-safety battery cells and multi-level protection. Equipped with BMS intelligent management system and multiple protection mechanisms to guarantee equipment safety.

Wide Compatibility & Strong Expandability

Multiple power and capacity options available. Supports mains power inversion switching. Equipped with various communication methods, supporting remote upgrade and fault diagnosis.

GSL-Link I Series – Solar-Storage All-in-One Lithium Battery Specifications

Model	3.5kW+ 5kWh	6.6kW+ 10kWh	6.6kW/10.5kW+ 16kWh	12.5kW+ 32kWh	25kW+ 48/64kWh	37.5kW+ 64/80kWh	50kW+ 96/112kWh
Inverter Output							
Rated Output Power (W)	3500	6600	6600/10500	12500	25000	37500	50000
Max Peak Power (W)	6000	10000	10000/15000	19000	38000	57000	76000
Inverter & Bypass Switching Time (ms)	10 (Typical)						
EU Standard Rated AC Output (VAC)	230 (Configurable:200,208,220,240)/400 (Single Phase / Three Phase)						
US Standard Rated AC Output (VAC)	120/240 (Single Phase / Split Phase)						
Frequency Range (Hz)	50/60						
Battery							
Battery Voltage Level (V)							
Battery Capacity (kWh)	5	10	16	30/32	48/64	64/80	96/112
Charge & Discharge Rate (C)	0.5	1	0.5	0.5	0.5	0.5	0.5
Charging Temperature (℃)	0~50						
Discharging Temperature (℃)	-10~50						
PV Charging							
Number of MPPT	1	1	1/2	2	4	6	8
Max PV Array Power (W)	4000	5500	5500/5500*2	6600*2	9000*4	9000*6	9000*8
Max PV Input Current (A)	13	22	22/22*2	22*2	22*4	22*6	22*8
Max Open Circuit Voltage (VDC)	500	500	500/500*2	500*2	800*4	800*6	800*8
MPPT Operating Range (VDC)	120~450(Single Phase)/200~650(Three Phase)						
Mains Input							
Input Voltage Range (VAC)	Single Phase:170~280 (Three Phase: 295~485)						
Frequency Range (Hz)	50/60±0.3						
Protection & General Specifications							
Protection Level	IP20						
Dimensions (WDH, mm)	470*700*600	410*610*811	470*800*610	470*800*881	633*1090*2180	1236*1090*2040	1236*1090*2040
Weight (kg)	78	145	175/178	254	755/890	1008/1143	1265/1400

Note: 10.5kW/12.5kW models support optional three-phase inverter. All specifications are for reference only and subject to change without prior notice.

GSL-Link II Series

Solar-Storage All-in-One Lithium Battery System(Outdoor)



Highly Integrated, All-in-One Solution

Integrate PV, energy storage, inverter and power distribution in one unit. Easy installation & maintenance. Compact integrated design saves space, suitable for residential, commercial & industrial scenarios.

Smart Solar & Energy Storage, Flexible Dispatching

Supports multiple operation modes. Solar-storage coordination algorithm improves self-consumption rate and maximizes PV self-use. Off-grid mode ensures reliable power supply for critical loads.

Easy Operation & Visualized Management

HD touch screen displays core data. Dual-channel control via local access and mobile APP remote access. Standard wiring reduces construction difficulty.

Safe, Reliable & Durable

Adopts high-safety battery cells and multi-level protection. Equipped with BMS intelligent management system and multiple protection mechanisms to guarantee equipment safety.

Wide Compatibility & Strong Expandability

Multiple power & capacity options available. Supports mains-inverter switching. Equipped with various communication methods, enabling remote upgrade and fault diagnosis.

GSL-Link II Series – Outdoor Solar-Storage All-in-One Lithium System Specifications

Model	25kW+48/64kWh	37.5kW+64/80kWh	50kW+96/112kWh
Inverter Output			
Rated Output Power (W)	25000	37500	50000
Max Peak Power (W)	38000	57000	76000
Inverter & Bypass Switching Time (ms)	10(Typical)		
EU Standard Rated AC Output (VAC)	230 (Configurable:200,208,220,240)/400 (Single Phase / Three Phase)		
US Standard Rated AC Output (VAC)	120/240 (Single Phase / Split Phase)		
Frequency Range (Hz)	50/60		
Battery			
Battery Voltage Level (V)	51.2		
Battery Capacity (kWh)	48/64	64/80	96/112
Charge & Discharge Rate (C)	0.5		
Charging Temperature (℃)	0~50		
Discharging Temperature (℃)	-10~50		
PV Charging			
Number of MPPT Trackers	4	6	8
Max PV Array Power (W)	9000*4	9000*6	9000*8
Max PV Input Current (A)	22*4	22*6	22*8
Max Open Circuit Voltage (VDC)	800*4	800*6	800*8
MPPT Operating Range (VDC)	200~650 (Three Phase)		
Mains Input			
Input Voltage Range (VAC)	Single Phase170~280 (Three Phase)		
Frequency Range (Hz)	50/60±0.3		
Protection & General Specifications			
Protection Level	IP54		
Dimensions (WDH) (mm)	633*1240*2180	1236*1230*2040	1236*1230*2040
Weight (kg)	792/927	1053/1188	1310/1445

Note: All data are for reference only. Specifications subject to change without prior notice.

GBP-Pro-I Series

Low-Voltage Lithium Battery Energy Storage



Durable & Safe:
Brand cells (≥6000 cycles) + Intelligent BMS, robust structure.

User-Friendly & Worry-Free:
Visual interface, compatible with mainstream inverters on the market, EU standard quick wiring.

Flexible Compatibility:
Multiple capacities & installation options available, customized for frigid environments.

Intelligent Management:
Automatic data statistics, equipped with keypad display as standard.

GBP-Pro-I Series Low-Voltage Lithium Battery Energy Storage Parameters

Model	24V100Ah	24V200Ah	48V100Ah	48V200Ah	48V314Ah	51.2V100Ah	51.2V200Ah	51.2V314Ah
Nominal Voltage (V)	25.6	25.6	48	48	48	51.2	51.2	51.2
Nominal Capacity (Ah)	100	200	100	200	314	100	200	314
Operating Voltage Range (V)	22.4~29.2	22.4~29.2	42~54.75	42~54.75	42~54.75	44.8~58.4	44.8~58.4	44.8~58.4
Recommended Charging Voltage (V)	27.6	27.6	51.75	51.75	51.75	55.2	55.2	55.2
Recommended Discharge Cut-off Voltage (V)	24	24	45	45	45	48	48	48
Standard Charge/ Discharge Rate	0.5C							
Max. Continuous Charge/Discharge Rate	0.5C							
Allowable Humidity Range (%RH)	85							
Storage Temperature (℃)	-20~55℃ (Recommended: 10~35℃)							
Charging Temperature (℃)	0~55℃ / -20~55℃ (Heating function optional)							
Protection Level	IP20							
Cooling Method	Natural Air Cooling							
Cycle Life	≥6000							
Communication Interface	CAN/RS485							
Capacity Expansion	Max. 20 modules in parallel (48 modules for special configuration)							
Dimensions (D*W*H) (mm)	635*375*156	635*375*156	635*375*156	660*400*245	972*480*245	635*375*156	660*400*245	972*480*245
Weight (kg)	34	50	48	94	145	50	98	148

Note:All data above are for reference only, specifications subject to change without prior notice.

GBP-Pro-II Series

Low-Voltage Lithium Battery Energy Storage



Durable & Safe:
Brand cells (≥6000 cycles) + Intelligent BMS, robust structure.

User-Friendly & Worry-Free:
Visual interface, compatible with mainstream inverters on the market, EU standard quick wiring.

Flexible Compatibility:
Multiple capacities & installation options available, customized for frigid environments.

Intelligent Management:
Automatic data statistics, equipped with keypad display as standard.

GBP-Pro-II Series Low-Voltage Lithium Battery Energy Storage Parameters

Model	24V100Ah	24V200Ah	48V100Ah	48V200Ah	48V314Ah	51.2V100Ah	51.2V200Ah	51.2V314Ah
Nominal Voltage (V)	25.6	25.6	48	48	48	51.2	51.2	51.2
Nominal Capacity (Ah)	100	200	100	200	314	100	200	314
Operating Voltage Range (V)	22.4~29.2	22.4~29.2	42~54.75	42~54.75	42~54.75	44.8~58.4	44.8~58.4	44.8~58.4
Recommended Charging Voltage (V)	27.6	27.6	51.75	51.75	51.75	55.2	55.2	55.2
Recommended Discharge Cut-off Voltage (V)	24	24	45	45	45	48	48	48
Standard Charge/ Discharge Rate	0.5C							
Max. Continuous Charge/Discharge Rate	0.5C							
Allowable Humidity Range (%RH)	85							
Storage Temperature (℃)	-20~55 (Recommended: 10~35℃)							
Charging Temperature (℃)	0~55℃ / -20~55℃ (Heating function optional)							
Protection Level	IP20							
Cooling Method	Natural Air Cooling							
Cycle Life	≥6000							
Communication Interface	CAN/RS485							
WiFi Module	Built-in WiFi Module + Bluetooth							
Capacity Expansion	Max. 20 modules in parallel (48 modules for special configuration)							
Dimensions (D*W*H) (mm)	635*375*156	635*375*156	635*375*156	660*400*245	972*480*245	635*375*156	660*400*245	972*480*245
Weight (kg)	34	50	48	94	145	50	98	148

Note: The above data is for reference only and subject to change without prior notice.

GBP-W Series

Wall-mounted Lithium Iron Phosphate Battery



Space-saving & Easy Installation

Modular integrated design, supports wall mounting with front wiring. Simple disassembly and convenient maintenance.

Intelligent Visual Communication

Comes with standard LCD display for real-time battery data monitoring. Compatible with inverter communication; customized CAN/RS485 remote monitoring interfaces available.

Ultra-long Cycle Life

High-quality LiFePO4 cells with over 6000 cycles and excellent cell consistency.

Flexible Capacity Expansion

Supports multi-unit parallel connection with automatic addressing (no dial coding). Freely expandable energy storage capacity.

Safe, Eco-friendly & Durable

Multiple circuit protections ensure stable and safe operation. Heavy-metal free, low energy consumption and pollution-free environmental material.

GBP-W Series Wall-mounted LFP Battery Specifications

Model	GBP24-100W	GBP24-200W	GBP48-100W	GBP48-200W	GBP51.2-100W	GBP51.2-200W
Nominal Voltage (V)	26.5	25.6	48	48	48	51.2
Cell Specification	100	100	100	100	100	100
Nominal Capacity (Ah)	100	200	100	200	100	200
Nominal Energy (kWh)	2.56	5.12	4.8	9.6	5.12	10.24
Operating Voltage Range (V)	22.4~29.2	22.4~29.2	42~54.75	42~54.75	44.8~58.4	44.8~58.4
Recommended Charging Voltage (V)	27.6	27.6	51.75	51.75	55.2	55.2
Recommended Discharge Cut-off Voltage (V)	24	24	45	45	48	48
Standard Charge/ Discharge Rate	0.5C					
Max. Continuous Charge /Discharge Rate	1C (Customizable)					
Allowable Humidity Range (%RH)	85					
Storage Temperature (℃)	-20 ~ 55℃ (Recommended: 10 ~ 35℃)					
Charging Temperature (℃)	0~55					
Protection Level	IP20					
Cooling Method	Natural Air Cooling / Intelligent Fan					
Cycle Life	6000+ cycles @ 80% DOD					
Dimensions(DWH) mm	687*450*186	687*450*186	687*450*186	682*465*276	687*450*186	682*465*276
Weight (kg)	28	49	46	93	49	96

Note: All data for reference only. Specifications subject to change without prior notice.

GBP-L Series

Wheeled Lithium Iron Phosphate Battery



Wheeled Structure, Stable & Space-saving
Integrated design with compact layout, flexible placement and safe & stable operation.

Standard LCD Display, Compatible with Mainstream Inverters
Real-time monitoring of battery operating data. Communication protocols selectable on screen for fast inverter connection.

Ultra-long Cycle Life, Low Capacity Degradation
Over 6000 charge-discharge cycles with gentle capacity attenuation during long-term operation.

Concealed Wiring, Neat & Elegant Appearance
Built-in concealed wiring design for tidy circuits and streamlined overall look.

Eco-friendly Cells, Free of Heavy Metal Pollution
Adopts environmentally friendly materials, non-toxic and pollution-free, safe & green.

GBP-L Series Wheeled Lithium Iron Phosphate Battery Specifications

Model	GBP48-314L	GBP51.2-314L	GBP48-628L	GBP51.2-628L
Nominal Voltage (V)	48	51.2	48	51.2
Cell Specification	314	314	314	314
Nominal Capacity (Ah)	314	314	628	628
Nominal Energy (kWh)	15.1	16.1	30.1	32.1
Operating Voltage Range (V)	42~54.75	44.8~58.4	42~54.75	44.8~58.4
Recommended Charging Voltage (V)	51.75	55.2	51.75	55.2
Recommended Discharge Cut-off Voltage (V)	45	48	45	48
Standard Charge/ Discharge Rate	0.5C			
Max. Continuous Charge /Discharge Rate	0.5C			
Allowable Humidity Range (%RH)	85			
Storage Temperature (℃)	-20 ~ 55℃ (Recommended: 10 ~ 35℃)			
Charging Temperature (℃)	0~55			
Protection Level	IP20			
Cooling Method	Natural Air Cooling / Intelligent Fan			
Cycle Life	6000+ cycles @ 80% DOD			
Dimensions(DWH) mm	480*246*990	480*246*990	890*350*1060	890*350*1060
Weight (kg)	143	145	289	293

Note: All data for reference only. Specifications subject to change without prior notice.

GBP-R Series (UL Certified)

Rack-mounted Lithium Iron Phosphate Battery



Ultra-long Cycle Life

Adopts LFP cells with over 6000 cycles. Suitable for backup energy storage and peak shaving applications for long service life.

Built-in Intelligent BMS Protection

Equipped with professional battery management system to monitor cell status in real time. It supports high-precision balancing and multiple automatic protections for safe & stable operation.

Intelligent & Professional Configuration

Built-in RS485 communication, EIS cell health diagnosis, intelligent current balancing and status LED indicators. Compatible with telecom rectifiers, supports connection with PV and UPS systems.

Maintenance-free & Easy Expansion

Supports independent DC power supply and modular capacity expansion. Ideal for base stations, data rooms, residential and industrial energy storage. Seamless equipment connection with zero maintenance required.

GBP-R Series (UL Certified) Rack-mounted LFP Battery Parameters

Model	GBP51.2-100R	GBP51.2-314R
Nominal Voltage (V)	51.2	51.2
Cell Specification	100	314
Nominal Capacity (Ah)	100	314
Nominal Energy (kWh)	5.12	16.1
Operating Voltage Range (V)	44.8~58.4	
Recommended Charging Voltage (V)	55.2	
Recommended Discharge Cut-off Voltage (V)	48	
Standard Charge/Discharge Rate	0.5C	
Max. Continuous Charge/Discharge Rate	0.5C	
Allowable Humidity Range (%RH)	85	
Storage Temperature (℃)	-20～55℃ (Recommended: 10～35℃)	
Charging Temperature (℃)	0~55	
Protection Level	IP20	
Cooling Method	Natural Air Cooling	
Cycle Life	6000+ cycles @ 80% DOD	
Dimensions (DWH) mm	520*435*143	560*540*245
Weight (kg)	49	135

Note: All data for reference only. Specifications subject to change without prior notice.

GBP-R Series

Rack-mounted Lithium Iron Phosphate Battery



Compact & Lightweight

Compact and lightweight structure, easy for one-person handling and installation, saving space for energy storage and computer room deployment.

Visual Intelligent Communication

LED indicators intuitively display operating status. Supports inverter communication; RS485 interface uploads cell data in real time.

Ultra-Long Cycle Life

Adopts lithium iron phosphate cells with over 6000 cycles, low capacity attenuation, suitable for long-term use in energy storage and backup power systems.

Flexible Capacity Expansion

Multiple units parallel with automatic address assignment, no dial code required. Rely on BMS balanced management for freely combined capacity expansion.

Easy Installation & Maintenance

Integrated unit for simple installation, maintenance-free in daily operation. Compatible with PV, UPS, communication base stations and other equipment.

GBP-R Series Rack-mounted LFP Battery Parameters

Model	GBP24-100R	GBP24-200R	GBP48-100R	GBP48-200R	GBP48-314R	GBP51.2-100R	GBP51.2-200R	GBP51.2-314R
Nominal Voltage (V)	25.6	25.6	48	48	48	51.2	51.2	51.2
Cell Specification	100	100	100	100	314	100	100	314
Nominal Capacity (Ah)	100	200	100	200	314	100	200	314
Nominal Energy (kWh)	2.56	5.12	4.8	9.6	15.4	5.12	10.24	16.1
Operating Voltage Range (V)	22.4~29.2	22.4~29.2	42~54.75	42~54.75	42~54.75	44.8~58.4		44.8~58.4
Recommended Charging Voltage (V)	27.6	27.6	51.75	51.75	51.75	55.2		55.2
Recommended Discharge Cut-off Voltage (V)	24	24	45	45	45	48		48
Standard Charge/ Discharge Rate	0.5C				0.5C	0.5C		0.5C
Max. Continuous Charge/Discharge Rate	1C (Customizable)				0.5C	1C (Customizable)		0.5C
Allowable Humidity Range (%RH)	85							
Storage Temperature (℃)	-20 ~ 55 (Recommended: 10 ~ 35℃)							
Charging Temperature (℃)	0~55							
Protection Level	IP20							
Cooling Method	Natural Air Cooling / Intelligent Fan							
Cycle Life	6000+ Cycles @ 80% DOD							
Dimension (DWH) mm	689*495*162	689*495*162	689*495*162	682*510*246	904*465*252	689*495*162	682*510*246	904*465*252
Weight (kg)	28	49	46	93	136	49	96	140

Note: The above data is for reference only and subject to change without prior notice.

BOC Series

Low-Voltage Lithium Battery Outdoor Cabinet



Comprehensive protection functions, equipped with overcurrent, overvoltage, short-circuit, lightning protection and other multiple protection devices.

Excellent performance in rainproof, dustproof, sun-proof and anti-corrosion, protection rating up to IP54.

Modular design with freely combinable solutions and independent units, easy for installation, maintenance and upgrade.

Compact size and structure, small footprint and easy to move, suitable for various installation scenarios.

BOC Series Lithium Battery Pack Specifications

Model	GBP48-100R	GBP48-200R	GBP48-314R	GBP51.2-100R	GBP51.2-200R	GBP51.2-314R
Cell Capacity (Ah)	100	200	314	100	200	314
Nominal Energy (kWh)	4.8	9.6	15.1	5.12	10.24	16.1
Nominal Capacity (Ah)	100	200	314	100	200	314
Nominal Voltage (VDC)	48			51.2		
Operating Voltage Range (VDC)	42~54.75			44.8~58.4		
Standard Charge/Discharge Rate	0.5C			0.5C		
Max Continuous Charge/Discharge Rate	0.5C			0.5C		
Allowable Humidity (%RH)	85					
Storage Temperature (℃)	-20 ~ 55(Recommended: 10 ~ 35)					
Charging Temperature (℃)	0~55					
Protection Level	IP20					
Dimensions (DWH, mm)	689*495*162	682*510*246	904*465*252	689*495*162	682*510*246	904*465*252
Reference Weight (kg)	46	93	136	49	96	140

Note: All data above are for reference only. Specifications subject to change without prior notice.

BOC Series Outdoor Cabinet Capacity Platform Specifications

Model	Dimensions (DWH, mm)	Reference Weight (kg)	Reference Energy (kWh)
BOC-5K-3	1016*715*1000	124	15
BOC-5K-6	1016*715*1500	158	30
BOC-5K-10	1016*715*2200	205	50
BOC-10K-2	1016*715*1000	124	20
BOC-10K-4	1016*715*1500	158	40
BOC-10K-6	1016*715*2200	205	60
BOC-15K-2	1226*715*1000	142	32
BOC-15K-4	1226*715*1500	180	64
BOC-15K-6	1226*715*2200	229	96

Note: All data above are for reference only. Specifications subject to change without prior notice.

GSS-PC Series

Lithium Battery Outdoor Cabinet



Strong Environmental Adaptability

Features waterproof, dustproof, sunproof, and anti-corrosion characteristics. It can operate stably for a long time in outdoor environments with high temperatures, humidity, and dust, protecting the battery from external erosion.

Safety Protection Design

Usually adopts fireproof materials or thermal insulation structures to reduce the risk of fire caused by battery overheating or short circuits; some products are equipped with anti-theft locks or intelligent monitoring systems to enhance safety.

Modularization and Scalability

Supports flexible combination of multiple battery packs to adapt to different capacity requirements; reserved interfaces facilitate later upgrades or connection to other devices (such as solar panels, inverters, etc.).

Space Saving and Flexible Deployment

Independent outdoor installation, no need to occupy indoor space; adapts to diverse scenarios.

GSS-PC Series Standard Parameters

Model	System Composition	Rated Voltage (V)	Operating Voltage (V)	Rated Capacity (kWh)	Dimensions (D*W*H) mm	Weight (t)
GSS-PC4	4pack	204.8	192~227.2	64.3	1300*750*1675	0.9
GSS-PC5	5pack	256	240~284	80.4	1300*750*1930	1.0
GSS-PC6	6pack	307.2	288~340.8	96.5	1300*750*2185	1.1
GSS-PC7	7pack	358.4	336~397.6	112.5	1300*1183*1420	1.5
GSS-PC8	8pack	409.6	384~454.4	128.6	1300*1183*1675	1.7
GSS-PC9	9pack	460.8	432~511.2	144.7	1300*1183*1675	1.8
GSS-PC10	10pack	512	480~568	160.8	1300*1183*1930	2.0
GSS-PC11	11pack	563.2	528~624.8	176.8	1300*1183*1930	2.1
GSS-PC12	12pack	614.4	576~681.6	192.9	1300*1183*2185	2.3
GSS-PC13	13pack	665.6	624~738.4	209.0	1300*1183*2185	2.4
GSS-PC14	14pack	716.8	672~795.2	225.1	1300*1183*2440	2.5
GSS-PC15	15pack	768	720~852	241	1300*1183*2440	2.6

Note: All data above are for reference only. Specifications are subject to change without prior notice.

GSS-PC Series System Parameters

Cell Parameters	Cell Type	Lithium Iron Phosphate Cell
	Cell Specification	3.2V314Ah
PACK Parameters	Assembly Configuration	16S1P
	Rated Voltage (V)	51.2
	Operating Voltage (V)	48~56.8
	Rated Energy (kWh)	16
	Standard Charge/Discharge Rate	0.5P
System Parameters	Maximum Charge/Discharge Rate	0.5P
Protection & General Parameters	DC Overcurrent Protection	Yes
	DC Short Circuit Protection	Yes
	DC Overvoltage Protection	Yes
	Over Temperature Protection	Yes
	Fire Suppression System	erosol / Novec 1230 Optional
	Cable Entry Method	Side Cable Entry
	Ambient Temperature (℃)	-20~50°C (Derating above 45°C)
	Charging Temperature (℃)	0~55
	Discharging Temperature (℃)	-10~55
	Ambient Humidity (% RH)	< 95% RH, Non-condensing
	Operating Altitude (m)	5000m (Derating above 2000m)
	Protection Level	IP54 (Key Components IP65)
	Cooling Method	Industrial Air Conditioning

Note: All data above are for reference only. Specifications are subject to change without prior notice.

GYC-PC261

Liquid-Cooled Outdoor Integrated Cabinet



*Inverter Optional

High Energy Density Design

Higher energy per unit volume, saving floor space.

Wide Operating Temperature Range

Stable operation from -30°C to 55°C, adaptable to diverse climates.

Multi-Layer Safety Mechanisms

Electrical isolation, thermal runaway protection and fire linkage.

Low Maintenance Cost

Compact structure with long-lifetime key components.

Outdoor Liquid-Cooled Energy Storage Cabinet Specifications

Product Model	GYC-PC261
DC Battery Parameters	
Cell Type	LFP3.2V/314Ah
Battery System Configuration	1P260S
Battery Voltage Range	728V~923V
Battery System Capacity	261kWh
Charge & Discharge Rate	≤0. 5C
AC Parameters	
Rated Power	125kW
Rated Grid Voltage	3/N/PE,220V/380 V;3/N/PE,230 V/400 V
Rated Grid Frequency	50/60Hz，±5Hz
Rated Grid Current	189.9A
Grid-tied & Off-grid Switching Time	＜10ms
Power Factor	＞0.99 (0.8 Leading ~ 0.8 Lagging)
AC Current Harmonic (THDi)	＜3% (At rated output power)
Photovoltaic Side Parameters	
Max. PV String Power	250kWp
Max. Input Voltage	1000V
Rated Input Voltage	600V
MPPT Operating Voltage Range	150~950V
Max. MPPT Input Current	10*42A
Number of MPPT / Max. Input Strings	10/20
Max. System Efficiency	90%
System Parameters	
Fire Protection System	Temperature & smoke detectors, Aerosol (PACK & SYSTEM), Water fire protection
Protection Level	IP55 (Battery Compartment)
Allowable Ambient Temperature	-30℃~+55℃ (Derate above 45℃)
Allowable Ambient Humidity	0~95%RH
Max. Operating Altitude	4000m (Derate above 2000m)
Cooling Method	Liquid Cooling
Weight	Approx. 2.6t
Dimensions (WDH) (mm)	1000×1340×2390mm (Excluding Inverter)

Note: All data are for reference only. Specifications subject to change without prior notice.

GYL-261

Liquid-Cooled Outdoor Integrated Cabinet



Safe & Reliable

- AI Early Warning System
- 3D Fire Protection with multi-layer safeguards: detection, prevention, ventilation and fire suppression

Extended Warranty

- Adopts advanced self-evolution algorithm, system temperature difference ≤5℃
- Adaptable to extreme environments: high temperature, strong wind and sand dust

Efficient & Flexible

- High-efficiency energy conversion, maximum efficiency up to 90%
- Reserved interfaces for handling & installation, enabling rapid deployment

Intelligent Operation

- Real-time monitoring via Cloud Web/APP; AI algorithm strategy optimization to boost profits
- On-site & remote wireless control, one-click upgrade, fingertip scheduling and remote O&M

Liquid-Cooled Outdoor Cabinet Specifications

Model	GYL-261
DC Battery Parameters	
Cell Type LFP 3.2V/314Ah	LFP3.2V/314Ah
Battery System Configuration	1P260S
Battery Voltage Range	728V~923V
Battery System Capacity	261kWh
Charge & Discharge Rate	≤0. 5C
AC Parameters (Grid-tied)	
Rated Power	125kW
Rated Grid Voltage	230V/400V -15%~+15%
Rated Grid Frequency	50/60Hz, ±5Hz
Power Factor	-1 (leading) ~ 1 (lagging)
AC Current Harmonic (THDi)	< 2% (at rated output power)
Connection Method	(3W+PE) 3-phase 3-wire / (3W+N+PE) 3-phase 4-wire
AC Parameters (Off-grid)	
Rated Output Voltage	230V/400V
Rated Output Power	125kW
Rated Output Frequency	50/60Hz
AC Voltage Harmonic (THDu)	< 3% (linear load)
System Parameters	
Operating Ambient Temperature	-30℃~+55℃ (derate above 45℃)
Operating Humidity	0~95%RH
Max. Operating Altitude	4000m (derate above 2000m)
Protection Level	IP54
Cooling Method	Liquid Cooling
Weight	Approx. 2.7t
Dimensions(WDH, mm)	1000*1340*2390

Note:All data above are for reference only, specifications subject to change without prior notice.

GBP-H2 Series

Lithium Battery Cluster Energy Storage System



Modular design, building-block assembly, automatic ID code identification

Each cluster is equipped with an independent display for intuitive presentation of operation and alarm status

Diversified communication modes, supporting TCP/IP, CAN, RS485, dry & wet contacts and other types

Compatible with mainstream inverters, wind power controllers, chargers and other equipment models on the market

Supports customized protocols; optional remote DTU enables online remote upgrade

GBP-H2 Series Product Parameters

Model	GBP96-100	GBP48-200	GBP38.4-314
Cell Type (Ah)	100	100	314
Nominal Energy (kWh)	9.6	9.6	12
Nominal Capacity (Ah)	100	200	314
Nominal Voltage (VDC)	96	48	38.4
Operating Voltage Range (VDC)	90~106.5	45~53.2	36~42.6
Charging Temperature (℃)	0~55		
Discharging Temperature (℃)	-10~55		
Protection Level	IP20		
Reference Weight (kg)	87.8	87.8	94
Reference Dimension (DWH) mm	684*510*245	684*510*245	684*510*245

Note: The battery pack shall be used with the system. Cycle life ≥6000 cycles under operating conditions of 25°C and 80% DOD. Special voltages are available upon consultation. Battery clusters with different voltages and capacities can be configured according to battery pack specifications.

Lithium Battery Cluster Voltage Platform Parameter Table

Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Operating Voltage Range (VDC)	Recommended Charge/Discharge Current (A)
GBP96-100/200	96	100/200	90~106.5	50/100
GBP192-100/200	192		180~213	
GBP220-100/200	220.8/224		207~245	
GBP288-100/200	288		270~319.5	
GBP360-100/200	358.4		336~397.6	
GBP384-100/200	384		360~426	
GBP480-100/200	480		450~532	
GBP384-314	384	314	360~426	140/150
GBP460-314	460.8		432~511	
GBP538-314	537.6		504~596	
GBP576-314	576		540~639	
GBP652-314	652.8		612~724	
GBP692-314	691.2		648~767	
GBP768-280/314	768		720~852	

Note: All data above are for reference only and subject to change without prior notice. Custom voltages are available upon request.

GBP-PC Series

Lithium Battery Cluster Energy Storage System



*Detachable Battery Rack

- Modular design, building-block assembly, automatic ID identification
- Each cluster is equipped with an independent display to intuitively show operation and alarm status
- Diversified communication modes, supporting TCP/IP, CAN, RS485, dry & wet contacts and other protocols
- Compatible with mainstream inverters, wind charge controllers, battery chargers and other equipment on the market
- Supports customized protocols; optional remote DTU enables online remote upgrade
- Detachable battery rack to reduce transportation space

GBP-PC Series Product Specifications

Model	GBP51.2-314
Cell Type (Ah)	314
Nominal Energy (kWh)	16.1
Nominal Capacity (Ah)	314
Nominal Voltage (VDC)	51.2
Operating Voltage Range (VDC)	48~56.8
Charging Temperature (℃)	0~55
Discharging Temperature (℃)	-10~55
Protection Level	IP20
Reference Weight (kg)	128
Reference Dimension (DWH) mm	904*510*245

Note: The battery pack shall be used with matched system. Cycle life ≥6000 cycles under test conditions: 25℃, 80% DOD. Special voltages are available upon inquiry. Systems with different registered voltage & capacity can be configured according to battery pack specifications.

Parameter Table of Lithium Battery Cluster Voltage Platform

Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Operating Voltage Range (VDC)	Recommended Charge /Discharge Current (A)
GBP-PC2	102.4	314	96~113.6	150
GBP-PC3	153.6		144~170.4	
GBP-PC4	204.8		192~227.2	
GBP-PC5	256		240~284	
GBP-PC6	307.2		288~340.8	
GBP-PC7	358.4		336~397.6	
GBP-PC8	409.6		384~454.4	
GBP-PC9	460.8		432~511.2	
GBP-PC10	512		480~568	
GBP-PC11	563.2		528~624.8	
GBP-PC12	614.4		576~681.6	
GBP-PC13	665.6		624~738.4	
GBP-PC14	716.8		672~795.2	
GBP-PC15	768		720~852	
GBP-PC16	819.2		768~908.8	

Note: All data above are for reference only and subject to change without prior notice. Custom voltages are available upon request.

Containerized Energy Storage System

10ft / 20ft / 40ft



Flexible & Customizable Solution
Battery type and capacity can be selected on demand. Modular industrial-frequency PCS supports multi-unit parallel operation, featuring convenient configuration expansion and easy maintenance.

Multi-mode Stable Power Supply
Supports on-grid & off-grid operation with seamless switching and black start capability.

Intelligent Integrated Dispatching
Unattended EMS system with dual local & cloud monitoring. Customizable functions, compatible with peak shaving & valley filling, demand response, backup power and other operating modes.

Comprehensive Fire Safety System
Equipped with automatic fire detection & alarm and gas fire-extinguishing system, supporting audible & visual alarm and fault information upload.

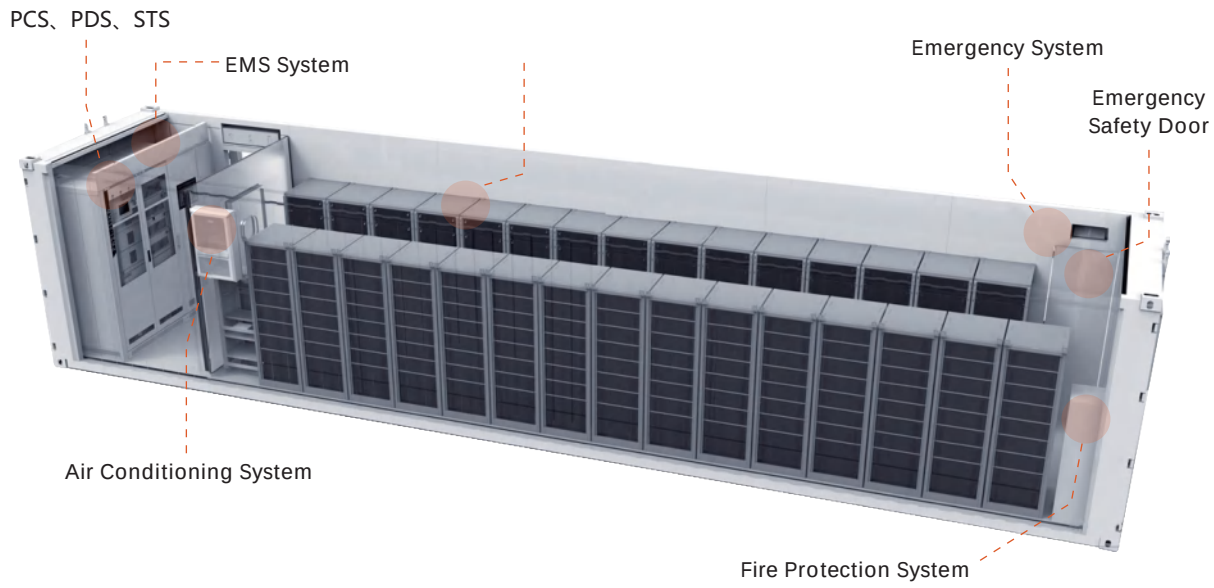
Temperature Control Ensures Safe Battery Operation
Equipped with professional heat dissipation and temperature control system, steadily maintaining the battery compartment within the optimal operating temperature range to extend battery service life.

Multi-layer Safety Control Design
Integrated access control system supports remote management and local on-site operation, comprehensively improving the security level of equipment operation and maintenance。

Parameters of Containerized Energy Storage System

Model	10ft	20ft	40ft
Output Voltage (V)	380/400±15%		
Grid Frequency (Hz)	50/60(±2.5)		
Output Power (kW)	50~100	50~500	250~630
Battery Capacity (kWh)	50~400	200~1500	800~3000
Battery Type	Lithium Iron Phosphate Battery		
Dimensions (DWH) (mm)	Internal:2831*2352*2385 External:2438*2991*2591	Internal:2352*5898*2385 External:2438*6058*2591	Internal:2352*12032*2385 External:2438*12192*2591
Protection Level	IP54		
Humidity Range (%RH)	0~95		
Altitude (m)	3000		
Operating Temperature (℃)	-20~50		
Battery Voltage Range (V)	250~850		
Maximum DC Current (A)	200	750	1500
Connection Method	3P4W		
Power Factor	-1~1		
Communication Mode	RS485,CAN,Ethernet		
Isolation Method	Power Frequency Isolation		

Note: All data above are subject to change without prior notice.



Battery Combiner Box

Standard Model



Indoor Installation

Supports Parallel Operation of Multiple Battery Units

Quick & Easy Installation

Model	GSBD3-8-250A	GSBD3-10-500A	GSBD4-12-800A	GSBD6-20-1250A
Number of Connected Batteries	3~8	3~10	4~12	6~20
Max. Allowable Current (A)	250	500	800	1250
Operating Temperature (℃)	-10~55	-10~55	-10~55	-10~55
Enclosure Dimension (WDH) mm	410*310*180	410*310*180	500*600*250	500*600*250
Weight (kg)	12~26	12~26	12~26	12~26

Note: All data are for reference only. Specifications are subject to change without prior notice.

GSO New Energy / No.1 Yicheng Road, Yangzhou City, Jiangsu Province, China/ Tel: +86 514-87520588/Website: www.gsopower.com

Battery Combiner Box

Custom Model



Supports Parallel Operation of Multiple Battery Units

Quick & Easy Installation

Overcurrent & Overvoltage Protection

Model	GSBC2-5-100A	GSBC3-8-300A	GSBC6-10-500A	GSBC11-16-500A
Number of Connected Batteries	2~5	3~8	5~10	10~16
Max. Allowable Current (A)	100	300	500	500
Withstand Voltage (VDC)	250	500	500	500
Overcurrent Protection	€	€	€	€
Operating Temperature (℃)	-10~55	-10~55	-10~55	-10~55
Enclosure Dimension (DWH) mm	500*600*250	500*600*250	500*600*250	500*700*220
Weight (kg)	18~20	18~20	18~20	18~20

Note: All data are for reference only. Specifications are subject to change without prior notice.

GSO New Energy / No.1 Yicheng Road, Yangzhou City, Jiangsu Province, China/ Tel: +86 514-87520588/Website: www.gsopower.com



Energy Storage System
EMS-IMGCB01
Microgrid Controller

Robust Hardware, Stable & Reliable

Equipped with 4-core ARM industrial processor, adopting industrial-grade components and electrical isolation protection. It has type test certification and CE certification, enabling stable operation in harsh environments.

Rich Interfaces, Comprehensive Functions

Comes with multiple interfaces including RS485, CAN, Ethernet, 4G, WiFi, digital input & output, voltage and frequency direct acquisition, suitable for diversified field application scenarios.

Wide Application, Ideal for Energy Scenarios

Designed for electrical systems, integrated energy systems and enterprise parks, realizing on-site data collection, transmission and equipment control.

Model	IMGCB01
CPU	ARM Cortex-A7 Quad-core 1.2GHz
RAM	DDR3 1G
ROM	eMMC 8GB (Expandable)
Ethernet	2 Channels, Standard RJ45 Port, 100Mbps
RS485	5 Channels, Magnetic Isolation; Configurable Baud Rate; Interface: 3.81mm Phoenix Terminal
CAN	2 Channels, Magnetic Isolation; Configurable Baud Rate; Interface: 3.81mm Phoenix Terminal
Digital Output	5 Channels, Relay Isolation. Contact Rating: 5A 250VAC/30VDC; Rated Coil Power: 180mW; Operate Time: <10ms; Release Time: <5ms
Digital Input	5 Channels, Optocoupler Isolation. DC 24V Standard Input; Rated Current: 1.1mA
Direct Voltage & Frequency Acquisition	AC Voltage 10-380V, Frequency 40-70Hz
RTC	On-board Supercapacitor, Maintains Timekeeping for at Least 7 Days During Power Failure
4G	4G Full Network, Supports GNSS Positioning
Wi-Fi	Supports IEEE 802.11b/g/n Standard
Power Supply	Rated Voltage 24VDC, ±10% Tolerance
Indicator LED	Power LED: Steady ON after power-up; Run LED: Steady ON during operation
Display	Supports Touchscreen Expansion via Ethernet or DVI: Compatible with 7", 10", 15" and other screen sizes
Dimensions (mm)	190*170*46

Note: All data are for reference only. Specifications are subject to change without prior notice.

GSO New Energy / No.1 Yicheng Road, Yangzhou City, Jiangsu Province, China/ Tel: +86 514-87520588/Website: www.gsopower.com



GSB Series
PV Combiner Box

- Suitable for indoor and outdoor installation
- Max. 16 PV strings accessible, rated current per string: 20A
- Wide DC voltage input; Max. input voltage of PV array up to 500/1000VDC
- PV-special Fuse
- PV dedicated high-voltage surge protector, both positive and negative poles with lightning protection
- Easy & Quick Maintenance

Model	GSB-A	GSB-B
Max. Open-circuit Voltage (VDC)	500	1000
PV Array Input Channels (N)	2~16 channels (Customizable)	
Rated Current per Channel (A)	20	
DC Output Circuit Breaker	Yes	
PV Dedicated Surge Protection	Yes	
Cabinet Dimension (DWH) mm	155*400*300/175*620*420	
Reference Weight (kg)	15~25	
Protection Level	IP65	
Operating Altitude (m)	5000 (Derating required above 2000m)	
Operating Temperature (℃)	-25～65	

Note: All data are for reference only. Specifications are subject to change without prior notice.

GSO New Energy / No.1 Yicheng Road, Yangzhou City, Jiangsu Province, China/ Tel: +86 514-87520588/Website: www.gsopower.com