xenterra
AI Optimized Energy

Pars

Product Catalog

چشم‌انداز (Vision)

تبدیل شدن به متخصص مدیریت انرژی خانگی مبتنی بر هوش مصنوعی

رسالت (Mission)

کارآمدتر، اقتصادی‌تر و قابل‌اعتمادتر کردن هر وات از انرژی سبز

ارزش‌ها (Values)

پایداری، نوآوری، برد-برد (هم‌بنیان)

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About Xenterra

زنترا (Xenterra) یک برند مستقل زیرمجموعه HDL است؛ شرکتی که از سال 1985 به عنوان پیشگام جهانی در حوزهٔ راهکارهای هوشمند فعالیت می‌کند. زنترا به‌طور تخصصی در زمینهٔ مدیریت هوشمند انرژی خورشیدی فعالیت داشته و راهکارهایی هوشمند، قابل‌اعتماد و مبتنی بر هوش مصنوعی را برای کاربران مسکونی و تجاری در سراسر جهان ارائه می‌دهد.

زنترا با پشتیبانی از بیش از 40 سال تجربهٔ HDL در سیستم‌های کنترل هوشمند و بهره‌گیری از منابع جهانی این گروه، از همان ابتدا بر پایه یک بنیان فنی مستحکم شکل گرفته است. این بنیان با دو مرکز تحقیقاتی در گوانگژو و هانگژو و تیمی متشکل از بیش از 120 مهندس متخصص، که همواره در مسیر نوآوری گام برمی‌دارند، تقویت شده است.
زنترا با دارا بودن گواهی ISO 9001 و تأییدیه آزمایشگاهی CNAS 17025، محصولاتی ارائه می‌دهد که فراتر از استانداردهای CE و IEC بوده و کیفیتی یکپارچه از مرحلهٔ توسعه تا تولید را تضمین می‌کنند. زنترا با تکیه بر سابقه درخشان HDL در 106 کشور جهان و بیش از 500,000 پروژه، از قدرت رقابتی بالایی در زمینه عملکرد، انعطاف‌پذیری، قابلیت‌اطمینان و ایمنی برخوردار است.

زنترا از زمان عرضه خود در سال 2024، مجموعه‌ای از محصولات کلیدی از جمله اینورترهای هیبریدی، باتری‌های ذخیره‌سازی انرژی لیتیومی و کنترلرهای هوشمند را معرفی کرده است که یک پورتفوی کامل برای کاربردهای مسکونی و تجاری کوچک تا متوسط را تشکیل می‌دهند.
زنترا بر پایه فناوری AIoT، اپلیکیشن مدیریت انرژی مبتنی بر هوش مصنوعی و سیستم مدیریت انرژی خانگی (HEMS) را ارائه می‌دهد که امکان نظارت از راه دور، برنامه‌ریزی هوشمند انرژی و تشخیص خطا در زمان واقعی را فراهم می‌آورد. این قابلیت‌ها به طور قابل‌توجهی هزینه‌های عملیاتی را کاهش داده و بازدهی کلی انرژی را بهبود می‌بخشد.

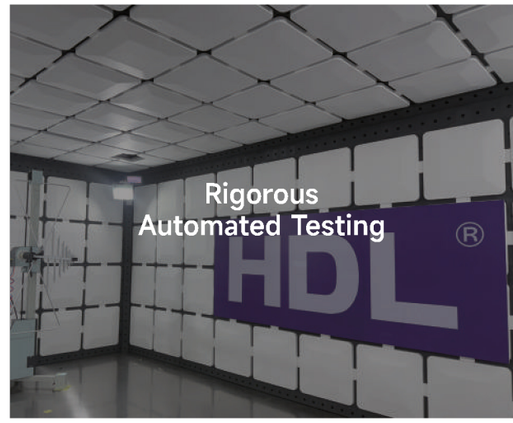
زنترا با رسالت «کارآمدتر، اقتصادی‌تر و قابل‌اعتمادتر کردن هر وات از انرژی سبز»، متعهد است تا به عنوان متخصص مدیریت انرژی خانگی مبتنی بر هوش مصنوعی شناخته شود و کاربران را به استقلال انرژی بیشتر و پایداری بلندمدت توانمند سازد.







Robust Production for Global Demand



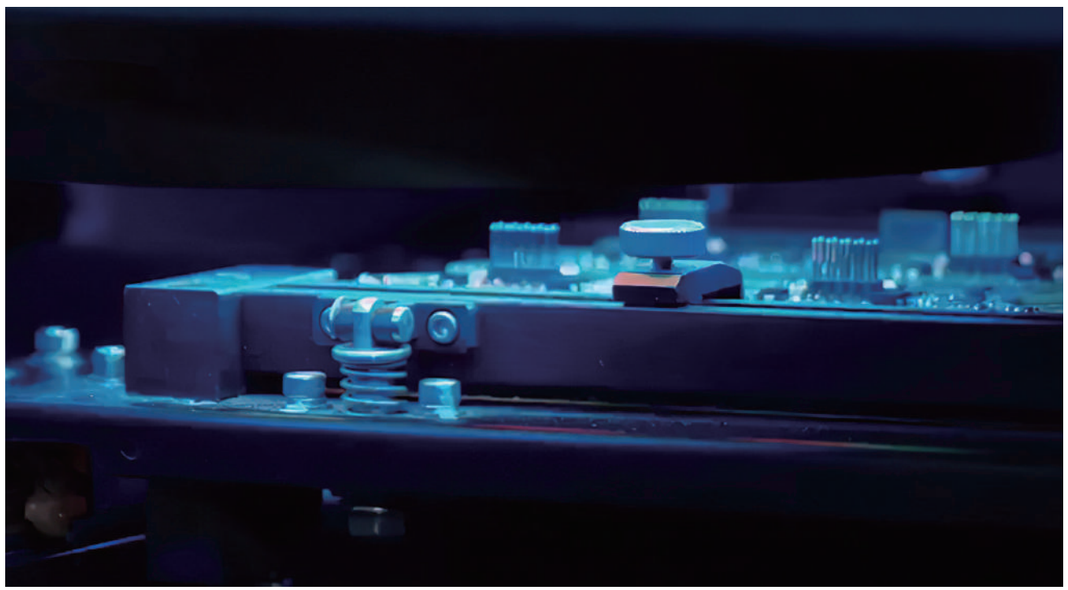








Research and Development Strength



40 Years of Expertise

Xenterra draws from HDL's 40 years of expertise in smart home technology and its proven success in over 500,000 intelligent projects worldwide.This legacy provides Xenterra with a robust foundation to excel in AI-powered ESS system.

Efficient R&D investment

Xenterra prioritizes innovation, with 38% of its workforce dedicated to research and development and an annual R&D budget that exceeds 10% of revenue.

Rigorous testing standards

Every hardware product must pass 58 tests across five key dimensions: EMC, safety compliance, environmental adaptability, lifespan, and reliability, far surpassing national and industry standards.

Continuous Team Development

We focus on talent development with complete R&D, product, and manufacturing teams. The Hangzhou Software Research Institute was established to strengthen our software platforms and drive innovation in AI-powered ESS.

Quality Assurance



Key components for Xenterra products are supplied directly by the original manufacturers, ensuring component quality. Premium Grade A LFP cells and Tier 1 chip suppliers maintain consistent high performance.

Xenterra implements the "Total Quality Management" (TQM) concept, extending quality control forward to market research, product development, quality design, and raw material procurement, etc.

In accordance with the ISO9001 quality standard system requirements, we have established a complete quality management system, ensuring all processes affecting product quality are strictly monitored.

Our products have passed various quality certifications, including CE, UL, CQC, and SAA. Our Quality Monitoring Policy focuses on strict audits, rapid customer feedback, and efficient product improvements to exceed expectations.



IP65 Hybrid Inverter

Model：ME-GSE-S5K

5kW | High Voltage | Dual MPPT

CEI 0-21 EN 50549 IEC/EN 61000-6-1/2/3/4
IEC/EN 62109-1 IEC/EN 62109-2

Reliable&Safe

- Runs full power up to 4000m, expanding your installation possibilities
- IP65-rated for indoor/outdoor use, ensuring worry-free performance in any weather
- 4-layer protection (DC Arc protection \ leakage protection \ SunSpec rapid shutdown \ insulation monitoring)

Superior Performance

- Dual MPPT channels boosts generation
- MPPT efficiency exceeding 99.9%
- High voltage design delivers 8% more energy per cycle for faster returns
- Wide MPPT Range, longer power generation time MPPT

User-friendly

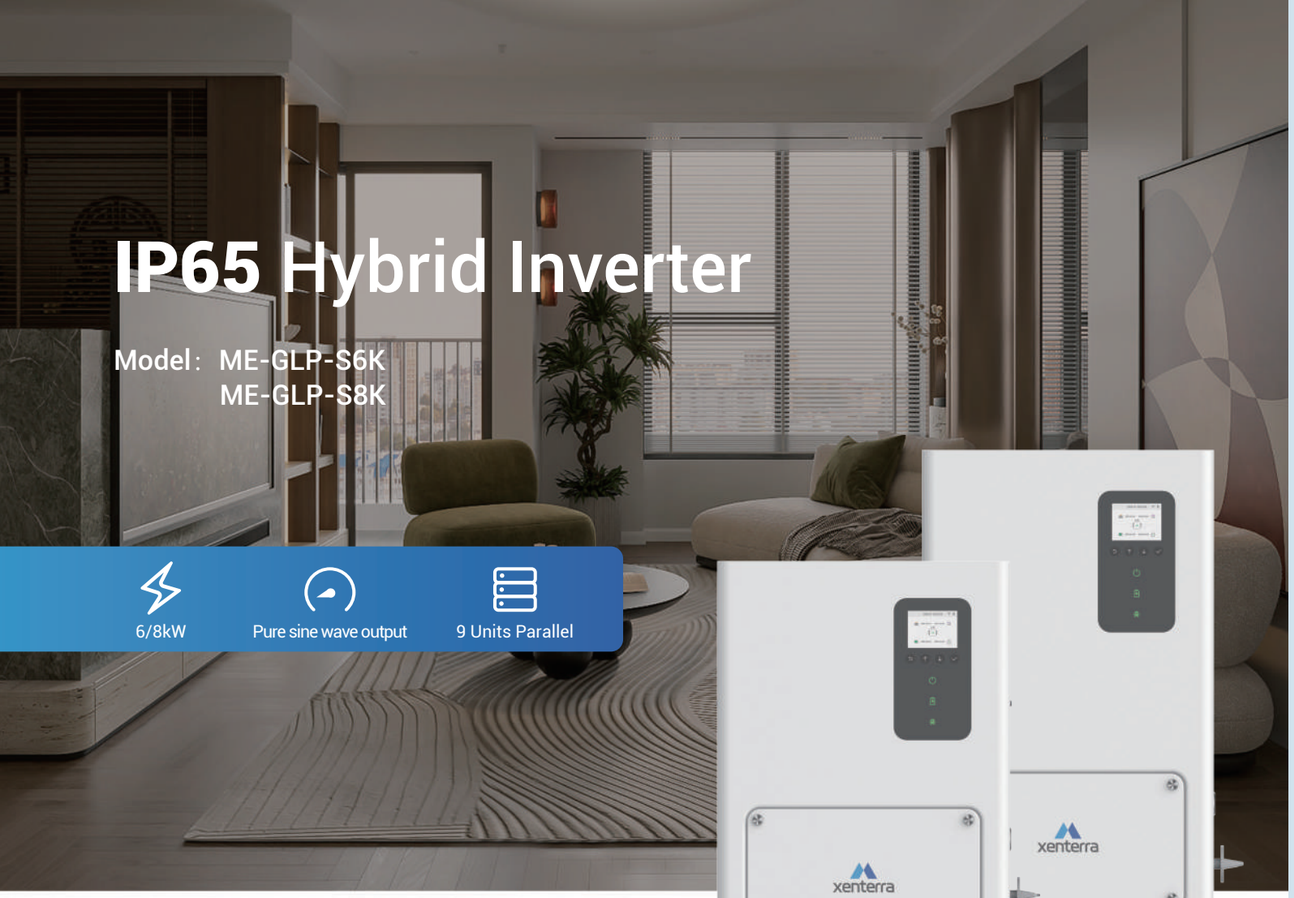
- Fanless design keeps noise under 25dB
- Configuration within 10 minutes
- Wire-free plug and play design enables quick connection

Smart

- Remote control, diagnosis and maintainance
- Firmware OTA updates without physical access
- 24/7 real-time monitoring gives complete visibility

Technical Parameter

Model	ME-GSE-S5K
Battery Input Data	
Battery Type	Li-Ion
Nominal Battery Voltage (V)	450
Battery Voltage Range (V)	450 ~ 550
Max. Charging Current (A)	10
Max. Discharging Current (A)	10
PV String Input Data	
Max. PV Input Power (W)	6500
Max. PV Input Voltage (V)	550
Start-up Voltage (V)	120
MPPT Voltage Range (V)	90 ~ 500
Rated PV Input Voltage (V)	380
Max. Operating PV Input Current (A)	13
Max. Input Short-Circuit Current (A)	18
Number of MPPT Trackers	2
Number of Strings per MPPT	1
AC Output Data (On-grid)	
Rated AC Input/Output Active Power (W)	5000
Max. AC Input/Output Apparent Power (VA)	5500
Rated AC Input/Output Current (A)	22.7/ 21.7/ 20.8
Max. AC Input/Output Current (A)	25/ 23.9/ 22.9
Peak Power (off-grid) (W)	1.2 times rated power
Power Factor Adjustment Range	0.85 leading to 0.85 lagging
Rated Input/Output Voltage (V)	220/230/240
Rated Input/Output Grid Frequency(Hz)	50/60
Grid Connection Form	L+N+PE
Total Current Harmonic Distortion THDi	<3% (of nominal power)
Efficiency	
Max.PV to AC Efficiency	97.6%
European Efficiency	97.3%
Max. Battery to AC Efficiency	98%
Max.PV to Battery Efficiency	98.8%
MPPT Efficiency	99.9%
Protection	
PV Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
PV Reverse Polarity Protection	Integrated
Anti-islanding Protection	Integrated
AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Overvoltage Protection	Integrated
General Data	
Operating Temperature Range (°C)	-25 ~ +60 , >45°C Derating
Relative Humidity	0 ~ 95% RH
Max. Operating Altitude (m)	4000
Cooling Method	Nature Convection
User Interface	APP
Communication with BMS	RS485
Communication with Meter	RS485
Communication with Portal	Wifi / Ethernet
Weight (kg)	16
Dimension (W × H × D mm)	376 × 396 × 145
Topology	Non-isolated
Self-consumption at Night (W)	<6
Ingress Protection Rating	IP65
Mounting Method	Wall Bracket
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Grid Regulation	CEI 0-21, EN 50549



Superior Performance

- UPS mode with 10ms switchover
- 180% surge capacity handles heavy loads instantly
- 110% continuous overload capacity

AI Powered

- Remote control, diagnosis and maintainance
- Firmware OTA updates without physical access
- 24/7 real-time monitoring gives complete visibility
- User-configurable logic prioritizes solar or grid

User-friendly

- Phone-to-inverter direct setup
- Compatible with lithium and lead-acid batteries
- Operates with or without batteries
- Supports generator

Reliable&Safe

- Both fan cooling and PCB heat dissipation
- Pure sine wave output delivers stable power
- Built-in SPD safeguard your system and home safety

Technical Parameter

Model	ME-GLP-S6K	ME-GLP-S8K
Inverter Output		
Rated Power	6000VA / 6000W	8000VA / 8000W
Peak Power	12000 VA	16000 VA
Parallel Capacity	Max. 9 Units	Max. 9 Units
Output Type	Single-phase / Three-phase In Parallel	Single-phase / Three-phase In Parallel
AC Voltage Regulation (Battery Mode)	230Vac，50/60Hz	230Vac，50/60Hz
Rated Current	26.1A	34.8A
Waveform	Pure Since Wave	Pure Since Wave
Transfer time	< 10ms	< 10ms
Battery		
Battery Type	Lithium/Lead-acid	Lithium/Lead-acid
Rated Battery Voltage	51.2Vdc / 48Vdc	51.2Vdc / 48Vdc
Battery Voltage Range	40-60Vdc	40-60Vdc
Max. Solar Charging Current	125A	190A
Max. Grid/Generator Charging Current	125A	190A
Max. Solar+AC Charging Current	125A	190A
PV Input		
Max. PV Input Power	6000W + 6000W	8000W + 8000W
Max. Open-circuit Voltage	500Vdc	500Vdc
Min. Startup Voltage	120Vdc	120Vdc
Max. PV Input Current	15A+15A	28A+28A
Max. PV Input Isc	18A+18A	32A+32A
Num. of MPPT/PV Array	2/1+1	2/2+2



Superior Performance

- UPS mode with 10ms switchover
- 180% surge capacity handles heavy loads instantly
- 110% continuous overload capacity

AI Powered

- Remote control, diagnosis and maintainance
- Firmware OTA updates without physical access
- 24/7 real-time monitoring gives complete visibility
- User-configurable logic prioritizes solar or grid

User-friendly

- Phone-to-inverter direct setup
- Compatible with lithium and lead-acid batteries
- Operates with or without batteries
- Supports generator

Reliable&Safe

- Both fan cooling and PCB heat dissipation
- Pure sine wave output delivers stable power
- Built-in SPD safeguard your system and home safety

Technical Parameter

Model	ME-GLP-S10K	ME-GLP-S12K
Inverter Output		
Rated Power	10000VA / 10000W	12000VA / 12000W
Peak Power	20000 VA	24000 VA
Parallel Capacity	Max. 9 Units	Max. 9 Units
Output Type	Single-phase / Three-phase In Parallel	Single-phase / Three-phase In Parallel
AC Voltage Regulation (Battery Mode)	230Vac，50/60Hz	230Vac，50/60Hz
Rated Current	43.5A	52.1A
Waveform	Pure Since Wave	Pure Since Wave
Transfer time	< 10ms	< 10ms
Battery		
Battery Type	Lithium/Lead-acid	Lithium/Lead-acid
Rated Battery Voltage	51.2Vdc / 48Vdc	51.2Vdc / 48Vdc
Battery Voltage Range	40-60Vdc	40-60Vdc
Max. Solar Charging Current	210A	250A
Max. Grid/Generator Charging Current	210A	250A
Max. Solar+AC Charging Current	210A	250A
PV Input		
Max. PV Input Power	10000W + 10000W	24000W
Max. Open-circuit Voltage	500Vdc	500Vdc
Min. Startup Voltage	120Vdc	120Vdc
Max. PV Input Current	28A+28A	32A+32A+32A
Max. PV Input Isc	32A+32A	42A+42A+42A
Num. of MPPT/PV Array	2/2+2	3/2+2+2



IP51 Hybrid Inverter

Model: ME-GLE-S3.6K | Single Phase
ME-GLE-S5K | Single-phase/Three-phase In Parallel
ME-GLE-S6K | Single-phase/Three-phase In Parallel

Low Voltage | Pure sine wave output | 9 Units Parallel

Superior Performance

- UPS mode with 10ms switchover
- 180% surge capacity handles heavy loads instantly
- 110% continuous overload capacity

AI Powered

- Remote control, diagnosis and maintainance
- Firmware OTA updates without physical access
- 24/7 real-time monitoring gives complete visibility
- User-configurable logic prioritizes solar or grid

User-friendly

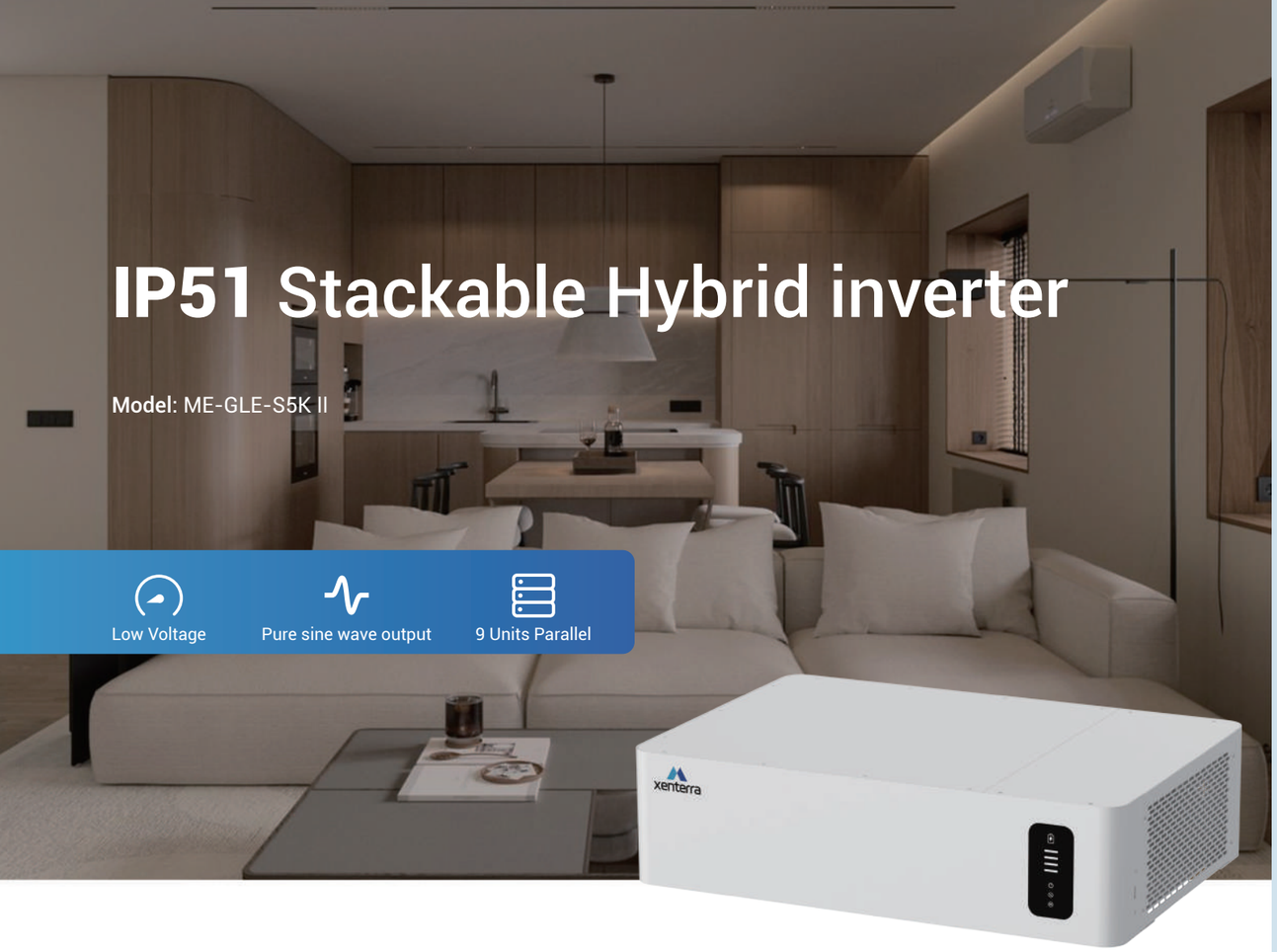
- Phone-to-inverter direct setup simplifies configuration
- Compatible with lithium and lead-acid batteries
- Wall or floor mount design adapts to your space
- Operates with or without batteries

Reliable&Safe

- Both fan cooling and PCB heat dissipation to prevents overheating and auto-shutdown
- Pure sine wave output delivers stable power
- Built-in SPD safeguard your system and home safety

Technical Parameter

Model	ME-GLE-S3.6K	ME-GLE-S5K	ME-GLE-S6K
Inverter Output			
Rated Power	3600VA / 3600W	5200VA / 5200W	6000VA / 6000W
Peak Power	7000VA for 2s	9000VA for 2s	9000VA for 2s
Parallel Capacity	Max. 9 Units	Max. 9 Units	Max. 9 Units
Output Type	Single-phase	Single-phase / Three-phase In Parallel	Single-phase / Three-phase In Parallel
AC Voltage Regulation (Battery Mode)	230Vac，50/60Hz	230Vac，50/60Hz	230Vac，50/60Hz
Rated Current	15.7A	22.6A	26.1A
Waveform	Pure Since Wave	Pure Since Wave	Pure Since Wave
Transfer time	<10ms	<10ms	<10ms
Battery			
Battery Type	Lithium/Lead-acid	Lithium/Lead-acid	Lithium/Lead-acid
Rated Battery Voltage	48Vdc / 51.2Vdc	51.2Vdc	51.2Vdc
Battery Voltage Range	40-60Vdc	40-60Vdc	40-60Vdc
Max. Solar Charging Current	70A	100A	125A
Max. Grid/Generator Charging Current	70A	100A	125A
Max. Solar+AC Charging Current	70A	100A	125A
PV Input			
Max. PV Input Power	4200W	9000W	9000W
Max. Open-circuit Voltage	450Vdc	480Vdc	480Vdc
Min. Startup Voltage	120Vdc	120Vdc	120Vdc
MPPT Voltage Range	90-430Vdc	120-450Vdc	120-450Vdc
Max. PV Input Current	16A	28A	28A
Max. PV Input Isc	18A	30A	30A
Num. of MPPT/PV Array	1/1	1/1	1/1
Grid/Generator AC Input			
Rated Input Voltage	220/230/240Vac	230Vac	230Vac
Input Voltage Range	90-280Vac	90-280Vac	90-280Vac
Frequency Range	50/60Hz	50/60Hz	50/60Hz
Max. Grid Input Current	20A	40A	40A
Max. Generator Input Current	20A	40A	40A
Protections			
Integrated Protections	PV reverse polarity,Over current,Over voltage,Output short-circuit, Over temperature, Over/under voltage, over/under-frequency, over load, Insulation resistance, Surge protection		
General			
Dimensions (WxHxD)	311 x 406 x 113 mm	351 x 543 x 139 mm	351 x 543 x 139 mm
Weight	8 kg	13 kg	13 kg
Installation	Wall-Mounted	Floor-Mounted/Wall-mounted (Optional)	Floor-Mounted/Wall-mounted (Optional)
Operating Temperature	0-55℃	0-55℃	0-55℃
Storage Temperature	-15 - 60℃	-15 - 60℃	-15 - 60℃
Relative Humidity	5 ~ 95%，No Condensation	5 ~ 95%	5 ~ 95%
Altitude	2000m	2000m	2000m
Ingress Protection	IP51	IP51	IP51
Cooling Mode	Intelligent Fan	Intelligent Fan	Intelligent Fan
Communication Interface	USB / WIFI / Ethernet / RS485	USB / WIFI / Ethernet / RS485 / Dry contact	USB / WIFI / Ethernet / RS485 / Dry contact



IP51 Stackable Hybrid inverter

Model: ME-GLE-S5K II

Low Voltage | Pure sine wave output | 9 Units Parallel

Superior Performance

- UPS mode with 10ms switchover
- 180% surge capacity handles heavy loads instantly
- 110% continuous overload capacity

AI Powered

- Remote control, diagnosis and maintainance
- Firmware OTA updates without physical access
- 24/7 real-time monitoring gives complete visibility
- User-configurable logic prioritizes solar or grid

User-friendly

- Phone-to-inverter direct setup simplifies configuration
- Compatible with lithium and lead-acid batteries
- Stackable design adapts to your space

Reliable&Safe

- Intelligent fan cooling prevents overheating and auto-shutdown
- Pure sine wave output delivers stable power
- Built-in SPD safeguard your system and home safety

Technical Parameter

Model	ME-GLE-S5KII
Inverter Output	
Rated Power	5200VA / 5200W
Peak Power	9000VA for 2s
Parallel Capacity	Max. 9 Units
Output Type	Single-phase / Three-phase In Parallel
AC Voltage Regulation (Battery Mode	230Vac, 50/60Hz
Efficiency(Peak)	>97%
Waveform	Pure Since Wave
Transfer time	<10ms
Battery	
Battery Type	Lithium/Lead-acid
Rated Battery Voltage	51.2Vdc / 48Vdc
Battery Voltage Range	40-60Vdc
Max. Solar Charging Current	100A
Max. Grid/Generator Charging Curren	100A
Max. Solar+AC Charging Current	100A
PV Input	
Max. PV Input Power	9000W
Max. Open-circuit Voltage	480Vdc
Min. Startup Voltage	90Vdc
MPPT Voltage Range	120-450Vdc
Max. PV Input Current	28A
Max. PV Input Isc	30A
Num. of MPPT/PV Array	1/1
Grid/Generator AC Input	
Rated Input Voltage	230Vac
Input Voltage Range	90-280Vac
Frequency Range	50/60Hz
Max. Grid Input Current	40A
Max. Generator Input Current	40A
Protections	
Integrated Protections	PV reverse polarity,Over current,Over voltage,Output short-circuit, Over temperature, Over/under voltage, over/under-frequency, over load, Insulation resistance, Surge protection
General	
Dimensions (WxHxD)	571 x 150 x 391 mm
Weight	13 kg
Installation	Stackable
Operating Temperature	0-55℃
Storage Temperature	-15 - 60℃
Relative Humidity	5 ~ 95%
Altitude	2000m
Ingress Protection	IP51
Cooling Mode	Intelligent Fan
Communication Interface	USB / WIFI / Ethernet / RS485 / Dry contact



IP51 Lithium Energy Storage Battery

Model：ME-GLE-B5K

Leading Durability

- Cobalt Free Lithium Iron Phosphate (LFP)
- Battery with intelligent BMS delivering complete multi-layer protection

Superior Safety

- Premium Grade A LFP cells
- Cycle life >6000 times
- EOL >70% capacity after 6000 cycles

Flexible Adaptability

- Floor mounting / stackable
- Compact size for quick and easy installation
- Modular design, expandable in parallel
- All in one compact system on wheels

User-friendly

- Seamless OTA updates
- 100A Max. charging current for fast charging

Technical Parameter

Model	ME-GLE-B5K
Main Parameters	
Battery Chemitry	LiFePO4
Scalability	Max. 7 pcs in Parallel
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Nominal Capacity	100Ah
Energy	5.12kWh
Max. Charge & Discharge Current	100A
Recommend Charge & Discharge Current	50A
Recommend Depth of Discharge	90%
Other Parameters	
Dimension(W×H×D)	571*146*391 mm
Weight	44Kg
Installation	Floor-Mounted/Stackable
Operating Temperature	Charge:0~55°C / Discharge :-10°C~55°C
Storage Temperature	-15 - 60°C
Relative Humidity	5 ~ 95%
Altitude	2000m
Ingress Protection	IP51
Cycle Life	≥6000（25℃±2℃，0.5C/0.5C，80%DOD，70%EOL）
Communication	RS485
Certification	UN38.3, MSDS



Leading Durability

- Cobalt Free Lithium Iron Phosphate (LFP)
- Battery with intelligent BMS delivering complete multi-layer protection

Superior Safety

- Premium Grade A LFP cells
- Cycle life >8000 times
- EOL >70% capacity after 8000 cycles

Flexible Adaptability

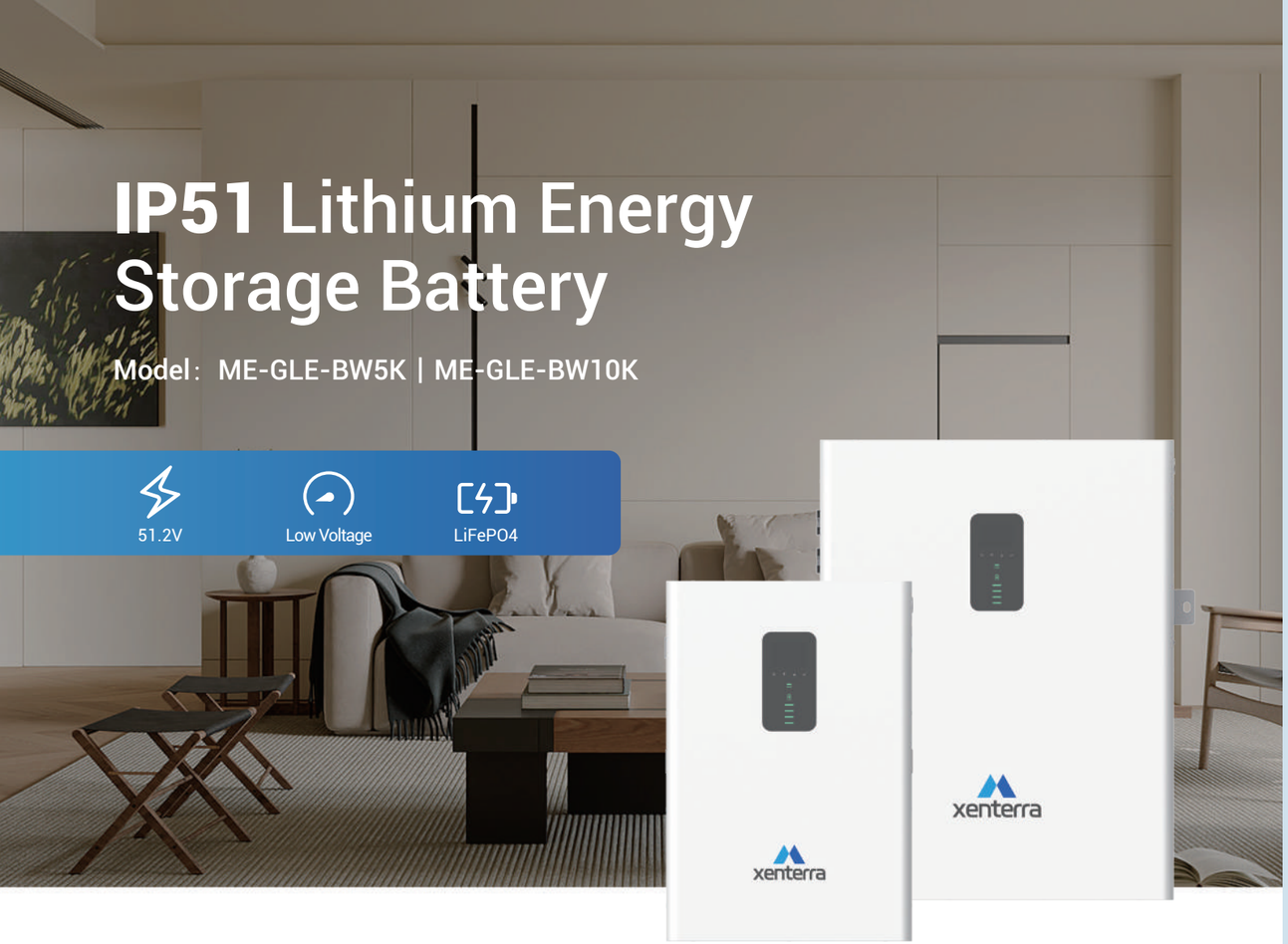
- Floor mounting
- Compact size for quick and easy installation
- Modular design, expandable in parallel
- All in one compact system on wheels

User-friendly

- Seamless OTA updates
- 150A Max. charging current for fast charging

Technical Parameter

Model	ME-GLE-B15K
Main Parameters	
Battery Chemitry	LiFePO4
Scalability	Max. 8 pcs in Parallel
Nominal Voltage	48V
Operating Voltage	42~54V
Nominal Capacity	314Ah
Energy	15kWh
Max. Charge & Discharge Current	150A
Recommend Charge & Discharge Current	150A
Recommend Depth of Discharge	90%
Other Parameters	
Dimension(W×H×D)	688 × 613 × 253 mm
Weight	124Kg
Installation	Floor-Mounted
Operating Temperature	Charge:0~55°C / Discharge :-10°C~55°C
Storage Temperature	-15 - 60°C
Relative Humidity	5 ~ 95%
Altitude	2000m
Ingress Protection	IP51
Cycle Life	⩾8000（25°°C±2°C，0.5C/0.5C，80%DOD，70%EOL）
Communication	RS485
Certification	UN38.3, MSDS



IP51 Lithium Energy Storage Battery

Model: ME-GLE-BW5K | ME-GLE-BW10K

51.2V | Low Voltage | LiFePO4

Leading Durability

- Cobalt Free Lithium Iron Phosphate (LFP)
- Built-in intelligent BMS, multi-layer protection

Superior Safety

- Premium Grade A LFP cells
- Cycle life ≥6000 times
- EOL >70% capacity after 6000 cycles

Flexible Adaptability

- Wall mounting installation
- Compact size for quick and easy installation
- Modular design, expandable in parallel

User-friendly

- Seamless OTA updates
- 100A/200A Max. charging current for fast charging
- Noise level < 30 dB, quiet and comfortable

Technical Parameter

Model	ME-GLE-BW5K	ME-GLE-BW10K
Main Parameters		
Battery Chemitry	LiFePO4	
Scalability	Max. 8 pcs pack (Max.40kWh) in parallel	Max. 8 pcs pack (Max.80kWh) in parallel
Nominal Voltage	51.2V	
Operating Voltage	44.8 ~ 57.6V	
Capacity	100Ah	200Ah
Energy	5.12kWh	10.24kWh
Max. Charge & Discharge Current	100A	200A
Recommend Charge & Discharge Current	50A	100A
Recommend Depth of Discharge	90%	
Other Parameters		
Dimensions (W*H*D)	410*600*189 mm	600*780*189 mm
Installation	Wall-Mounted	
OperatingTemperature(discharge)	-20℃~60℃	
OperatingTemperature(charge)	0℃~50℃	
Relative Humidity	5 ~ 95%	
Altitude	2000m	
Ingress Protection	IP51	
Cycle Life	≥6000 @90%DOD	
Certification	UN38.3, MSDS	



IP51 Lithium Energy Storage Battery

Model: ME-GLE-B16K

51.2V | Low Voltage | LiFePO4

Leading Durability

- Cobalt Free Lithium Iron Phosphate (LFP)
- Built-in intelligent BMS, multi-layer protection

Superior Safety

- Premium Grade A LFP cells
- Cycle life ⩾8000 times
- EOL >70% capacity after 8000 cycles

Flexible Adaptability

- Floor mounting installation
- Compact size for quick and easy installation
- Modular design, expandable in parallel

User-friendly

- Seamless OTA updates
- 200A Max. charging current for fast charging
- Noise level < 30 dB, quiet and comfortable

Technical Parameter

Model	ME-GLE-B16K
Main Parameters	
Battery Chemitry	LiFePO4
Scalability	Max. 8 pcs pack (Max.128kWh) in parallel
Nominal Voltage	51.2V
Operating Voltage	44.8 ~ 57.6V
Capacity	314Ah
Energy	16kWh
Max. Charge & Discharge Current	200A
Recommend Charge & Discharge Current	157A
Recommend Depth of Discharge	90%
Other Parameters	
Dimensions (W*H*D)	500*891*260 mm
Installation	Floor-Mounted
OperatingTemperature(discharge)	-20℃~60℃
OperatingTemperature(charge)	0℃~50℃
Relative Humidity	5 ~ 95%
Altitude	2000m
Ingress Protection	IP51
Cycle Life	≥8000 @90%DOD
Certification	UN38.3, MSDS



Power Guardian

Model：ME-GSG-SPG50A04CH

Load Prioritization

More Backup Time

Optimize the energy distribution and scheduling,increase backup time by at least 40% during blackouts.

Holistic Energy Integration

integrate power from grid, PV, wind turbine, battery and generators

Load Prioritization

efficiently classify and prioritize home loads, pairing with preset SOC value

Automatic Control

automatically shut down lower priority loads to prevent overloads and manual intervention

Control from Anywhere

effortlessly manage your energy control from anywhere at any time via intuitive mobile APP

Maximize Backup Time

shed large loads in a smart way to maximum backup time during blackouts

Modular Design

allowing extensible channels of smart loads control: 4,8,12,16

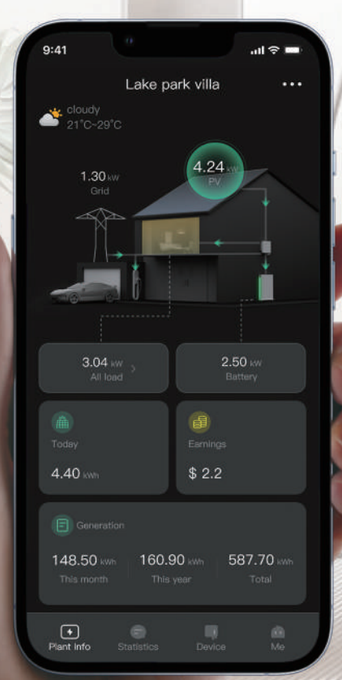
Technical Parameter

Model	ME-GSG-SPG50A04CH
Performance	
Inverter port current	40A
Current of the backup power port	40A
Current of the non-backup power port	40A
Grid port current	40A
Rated AC voltage	230V，L+N+PE
Working mode	On-grid or off-grid
On/Off-grid switchover time	<10ms
Generator	Integrated
Number of controlled channels	4
Energy monitoring	Integrated
Active energy distribution	Integrated
Bypass mode	Manual
General Data	
Weight	5.6kg
Dimensions (W x H x D mm)	260 x 370 x 109
User Interface	App
RS485	Integrated
Max. Operating Altitude (m)	4000
Operating Temperature Range (°C)	-20 ~ 60
Ingress Protection Rating	IP55

Xenterra Solar App

Intelligent control all on one app

Xenterra solar is a user-friendly app that allows seamless control of BESS system and household devices while enabling real-time monitoring and management of energy generation, storage, sales and consumption anywhere and anytime. It helps users optimize their electricity usage in a smart, cost-effective, and secure way.



Real-time Monitoring



Monitor power generation, battery levels, charging and discharging status, and electricity consumption in real time, ensuring clear visibility of energy usage.

Energy Consumption Insights



Track and analyze your energy consumption patterns over time, helping homeowners optimize consumption and improve usage habits.

Instant Notifications & Alerts



Homeowners can receive instant notifications on low battery levels, device malfunctions, or excessive energy consumption, ensuring quick problem resolution.

Remote Control



Take full control of your BESS and home-loads anywhere, anytime. Whether at home or on the go, you can easily adjust settings or manage charging to ensure optimal performance.