

Gospower



Gospower

GOSPOWER ELECTRIC TECHNOLOGY CO.,LTD

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GOSPOWER ENERGY 🔍

PRODUCT CATALOG

New Energy Application

- HYBRID INVERTER
- BATTERY PACK
- OFF GRID INVERTER
- ALL-IN-ONE ESS

COMPANY PROFILE

Gospower is a national high-tech enterprise committed to providing innovative energy solutions for big data and new energy industries.

Gospower's new energy products have covered multiple application scenarios such as small, off-grid, and microgrids, and have obtained international standard certifications that can provide leading PV energy storage solutions for users in different countries and regions.

The company adheres to the global development strategy and establishes a global sales and service network covering Asia Pacific, Europe, North America, Latin America, the Middle East, Africa, and other regions. It is committed to providing fast, efficient, and high-quality services to global customers.



Established
2006



Registered Capital
320 million



Manufacturing Plant
120000m²



Employees
2500+



Technical Engineers
400+



Patents
300+



DEVELOPMENT HISTORY

2006

- Gospower founded
- Entering the POE power supply business

2010

- Focus on ICT business

2012

- Recognized as a national high-tech enterprise

2015

- Becoming a mainstream power supplier in the ICT industry

2017

- Expand the research and development of new energy technologies (Electric vehicles/photovoltaics)

2018

- Awarded the title of 'Guangdong Provincial Engineering Technical Center'
- Construction of Hunan Chenzhou factory

2022

- Dongguan Songshan Lake production base put into operation
- Rated as one of the 'Top 500 enterprises in Shenzhen'

2024

- Complete the reform of the shareholding system
- New energy solar storage system covering over 20 worldwide countries and regions

2025

- Designated as a national-level key 'Little Giant' enterprise
- New energy business revenue more than doubles in 2025

R&D INNOVATION

- Self developed BMS and EMS systems

Stronger compatibility with inverters, easy to upgrade and maintain

- Full-Scenario Solar Storage Solutions

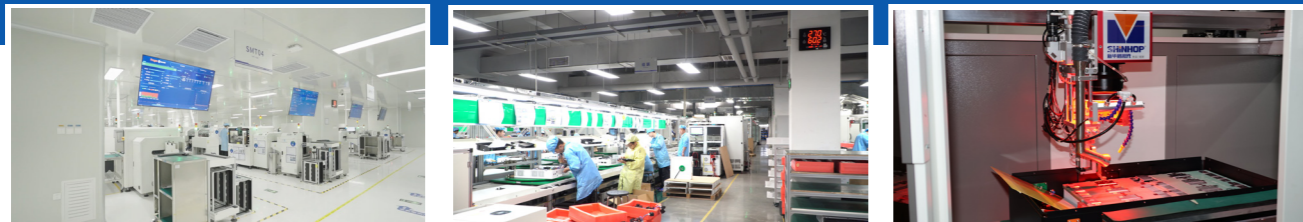
Core Components: BMS | PCS | STS | MPPT | EMS
 Residential Solar Solutions: Off-grid/Hybrid Inverter | Battery Pack | All-in-one ESS
 C&I Solutions: Smart Microgrid ESS | Small Commercial Microgrid ESS

- 3 major research and development centers

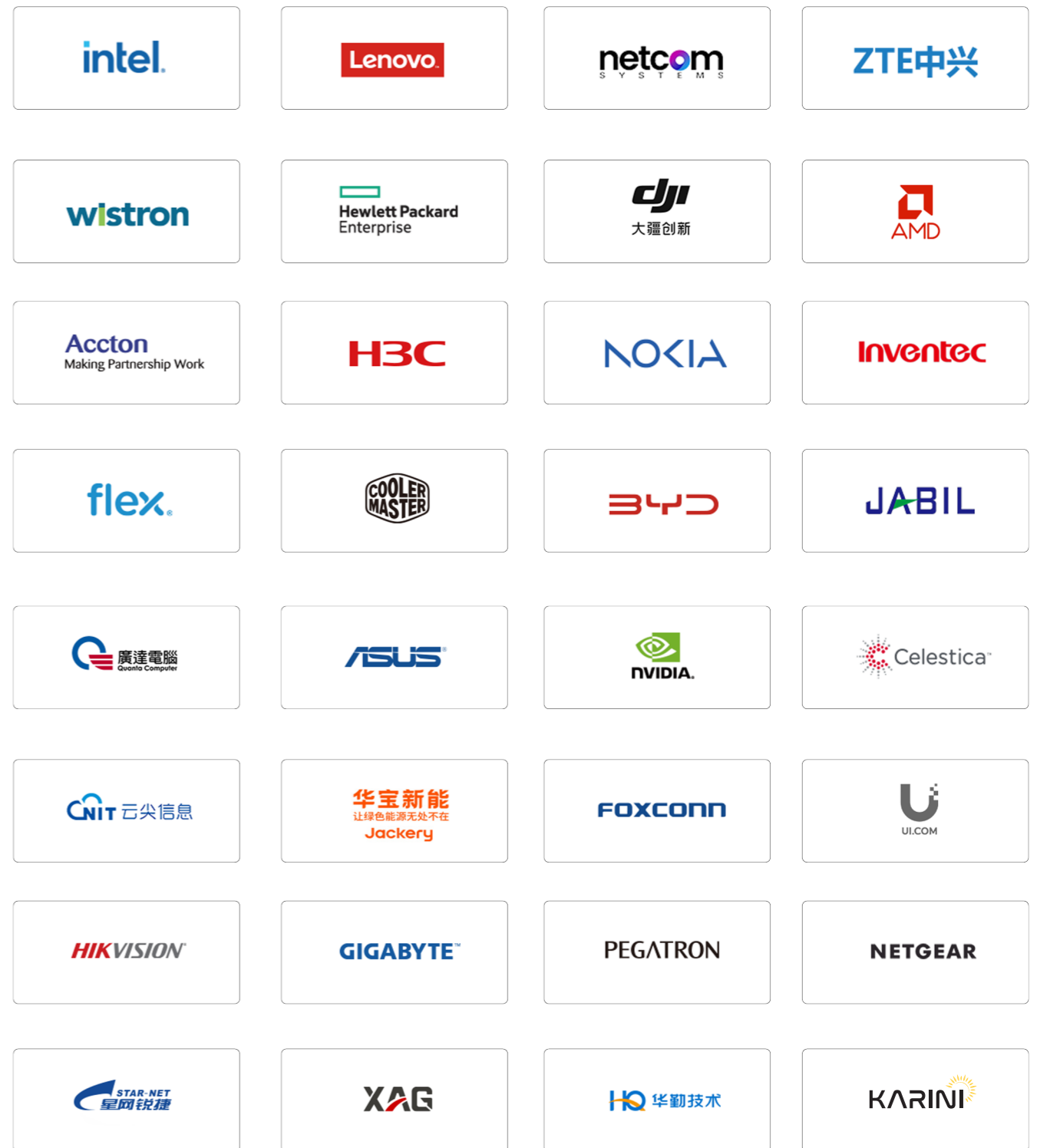
Shenzhen, Taiwan, Malaysia

- 2000+m²

Test Laboratory



PARTNERS



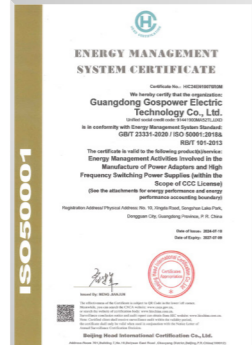
QUALITY MANAGEMENT

CERTIFICATE

ISO9001:2015



ISO5001



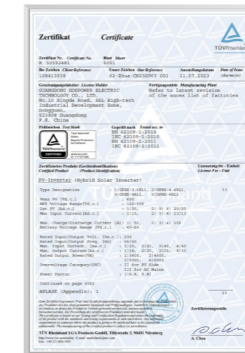
ISO14001



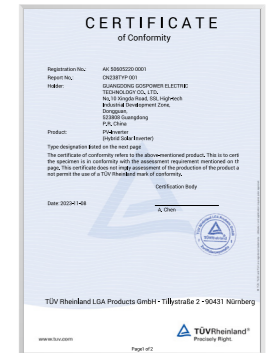
EN50549



IEC62109



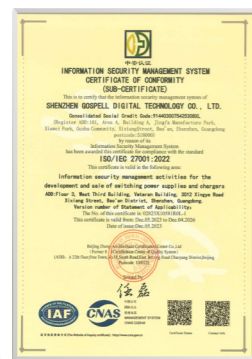
NRS



ISO45001



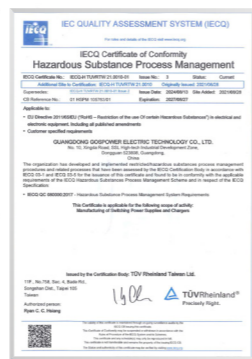
ISO IEC27001:2022



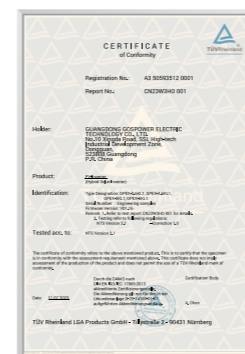
ANSI/ESD S20.20-2021



IECQ QC 080000:2017



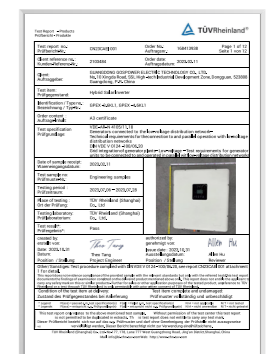
NTS



UN38.3



VDE



GLOBAL LAYOUT



R&D Center

- Shenzhen
- Dongguan
- Changsha



Manufacturing center

- Dongguan
- Chenzhou
- Malaysia



Customer service center

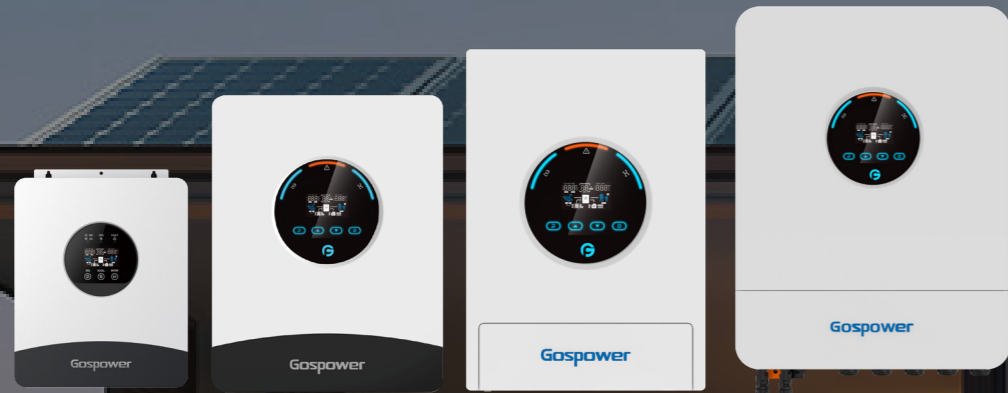
- Nigeria
- Lebanon
- Iraq
- Taiwan
- Peru
- Myanmar
- Singapore



Market coverage area

- Southeast Asia
- Africa
- Latin America

PRODUCTS SERIES



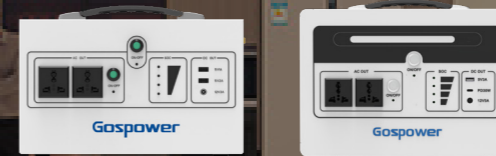
OFF GRID INVERTER



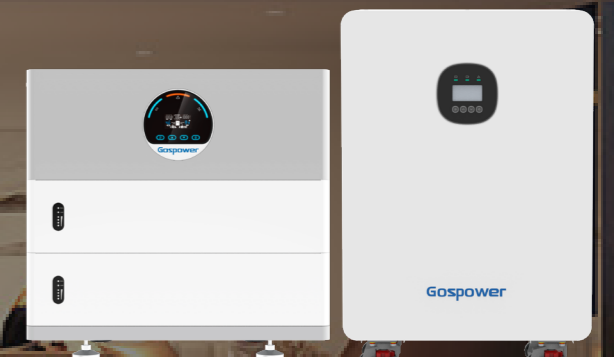
HYBRID INVERTER



BATTERY PACK



PORTABLE POWER STATION



ALL IN ONE ESS

SOLAR INVERTER GPEO Series EU Single Phase

GPEO-1K6L1-4V1



1.6kW



500V



230V



12V

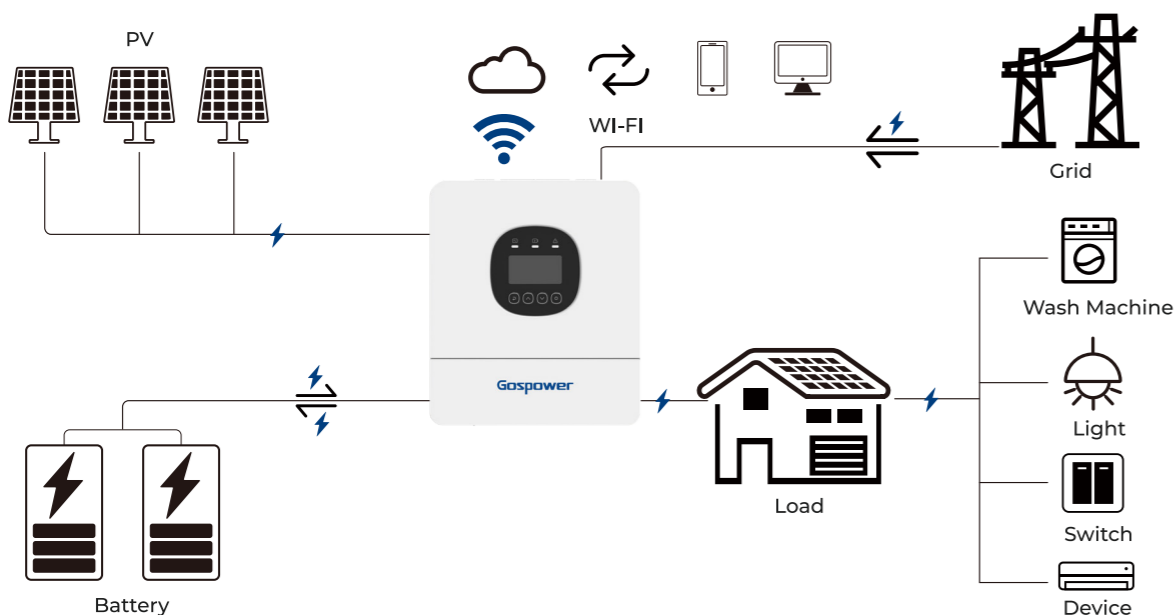


IP54



IP54 Design
2x PV Oversizing
Pure Sine Wave
Wide MPPT Operating Range
3 Years Warranty

HOUSE ENERGY SYSTEM



OFF-GRID SERIES

GPEO-1K6L1-4V1	
PV(DC input)	
Recommended max. PV input power	3200W
Max. input voltage(Voc)	500V
MPPT operating voltage range	35V-450V (@30V start up)
Number of MPPT	1
Max. number of input strings per MPPT	1
Max. input current per MPPT	20A
Max. short-circuit current per MPPT	22A
Grid(AC input)	
Max. input power	2000W
Max. input current	9.4A
Rated grid voltage	220/230/240Vac
Rated grid frequency	50/60Hz
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)
Battery parameters (Bidirection)	
Battery type	LiFePO4 /Lead-acid
Battery voltage range	10.5-15Vdc
Rated battery voltage	12Vdc
Max. charge/discharge current	80A / 140A
BMS communication mode	RS485
Back-up output (AC output)	
Rated output power	1600W /2000VA
Rated output current	9.1A
Rated output voltage/frequency	220/230/240Vac 50/60Hz
Parallel capacity	/
Surge power	3200VA 2s
THDv (@ linear load)	<3%
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)
Efficiency	
Peak efficiency	92%
Max. MPPT efficiency	99.9%
Protection	
Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP54
General parameters	
Operating temperature range	-10°C~ 55°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<15W
Installation type	Wall-mounted
Cooling mode	Fan cooling
Communication	RS232/RS485
Display	LCD
Mechanical specifications	
Inverter dimensions (D*W*H)(mm)	305.6*237*100.5
Net weight(kg)	TBD
Warranty period	3 Years

SOLAR INVERTER GPEO Series EU Single Phase

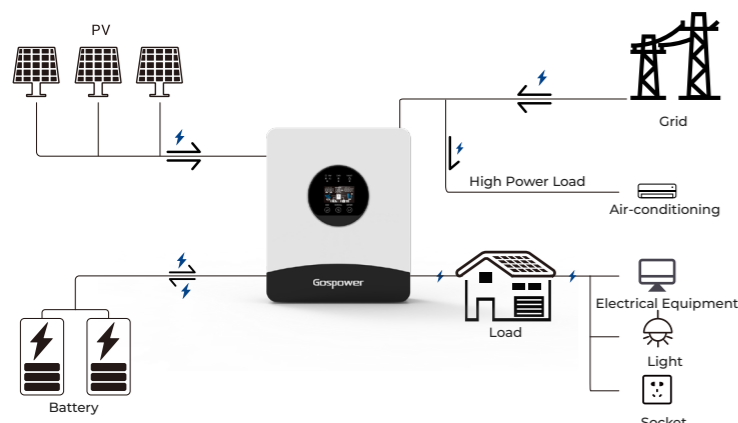
GPEO-1K8L1-M/3K6L1-M

- 
1.8-3.6KW
- 
130/145V
- 
230V
- 
12/24V
- 
IP21

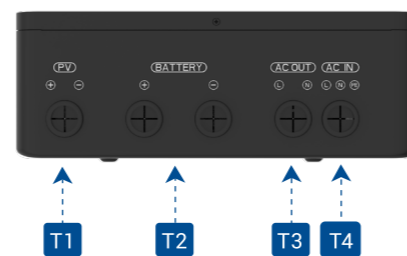
IP21 Design
Pure Sine Wave
Support LFP &SLA Battery
2 Years Warranty

CE EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM



GPEO-1K8L1-M CONNECTOR



T1: PV T3: AC LOAD
T2: BAT+&BAT- T4: AC GRID

	GPEO-1K8L1-M	GPEO-3K6L1-M
PV(DC input)		
Recommended max. PV input power	650W	1500W
Max. input voltage(Voc)	130V	145V
MPPT operating voltage range	15V-120V(@21V start up)	30V-120V(@36V start up)
Number of MPPT	1	
Max. number of input strings per MPPT	1	2
Max. input current per MPPT	20A	25A
Max. short-circuit current per MPPT	25A	27A
Grid(AC input)		
Max. input power	2300W	4600W
Max. input current	10A	20A
Rated grid voltage	220/230/240Vac (L,N,PE)	
Rated grid frequency	50/60Hz	
Acceptable range	170-280Vac(For UPS); 90-280Vac (For Home Appliances)	
Battery parameters (Bidirection)		
Battery type	LiFePo4/Lead-acid	
Battery voltage range	9.5V~14.5V	20-30V
Rated battery voltage	12Vdc	24Vdc
Max. charge/discharge current	105A/150A	120A/180A
Back-up output (AC output)		
Rated output power	1500W/1800VA	3000W/3600VA
Rated output current	7.8A	15.6A
Rated output voltage	220/230/240V(L,N,PE)	
Frequency	50/60Hz	
Surge power	3600VA 2s	7200VA 2s
THDv (@ linear load)	<3%	
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency		
Peak efficiency	95%	
Max. MPPT efficiency	99.9%	
Protection		
Inner protection	√Output short-circuit protection √Output overvoltage protection	
Surge protection	PV: Type III, AC: Type III	
IP rating	IP21	
General parameters		
Operating temperature range	-10°C~ 50°C	
Relative humidity range	5%~95%	
Max. operating altitude	>2000m derating	
Standby self-consumption	<10W	
Installation type	Wall-mounted	
Cooling mode	Fan cooling	
Communication	RS232	RS232/RS485
Display	LCD	
Mechanical specifications		
Inverter dimensions (L*W*H)(mm)	350*290*108	
Net weight (kg)	5.5	6
Warranty period	2 Years	

SOLAR INVERTER GPEO Series EU Single Phase

GPEO-3KL1/3K6L1-4V1/4KL1/6KL1



3-6kW



500V



230V



24V/48V



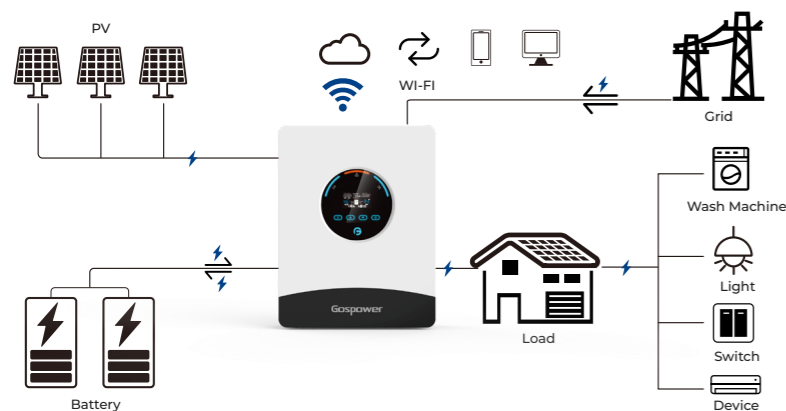
IP54



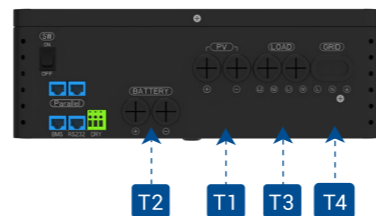
IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
3 Years Warranty

CE EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM



GPEO-4KL1 CONNECTOR



T1: PV T3: AC LOAD
T2: BAT+&BAT- T4: AC GRID

	GPEO-3KL1	GPEO-3K6L1-4V1	GPEO-4KL1	GPEO-6KL1
PV(DC input)				
Recommended max. PV input power	4500W		6000W	8000W
Max. input voltage(Voc)	500V			
MPPT operating voltage range	70V-425V (@75V start up)		85V-450V (@85V start up)	
Number of MPPT	1			
Max. number of input strings per MPPT	1			2
Max. input current per MPPT	18A		15A	27A
Max. short-circuit current per MPPT	20A		18A	32A
Grid(AC input)				
Max. input power	4600W		6440W	11500W
Max. input current	20A		28A	50A
Rated grid voltage	220/230/240Vac			
Rated grid frequency	50/60Hz			
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)			
Battery parameters (Bidirection)				
Battery type	LiFePO4 /Lead-acid			
Battery voltage range	20~30Vdc			40~60Vdc
Rated battery voltage	24Vdc			48Vdc
Max. charge/discharge current	125A/135A	125A / 170A	120A/160A	120A/130A
BMS communication mode	RS485			
Back-up output (AC output)				
Rated output power	3000W/3600VA	3600W / 3600VA	4000W/4000VA	6000W/6000VA
Rated output current	15.6A	16.3A	18.2A	27.3A
Rated output voltage/frequency	220/230/240Vac 50/60Hz			
Parallel capacity	-	Single-phase Max. 12 units; Three-phase Max. 12 units	-	Single-phase Max. 12 units; Three-phase Max. 12 units
Surge power	6000VA 2s		8000VA 5S	12000VA 5s
THDv (@ linear load)	<3%			
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)			
Efficiency				
Peak efficiency	95%			98%
Max. MPPT efficiency	99.9%			
Protection				
Inner protection	√Output short-circuit protection √Output overvoltage protection			
Surge protection	PV: Type III, AC: Type III			
IP rating	IP54			
General parameters				
Operating temperature range	-10°C~ 55°C			
Relative humidity range	10%~95%		5%~95%	
Max. operating altitude	>2000m derating			
Standby self-consumption	<10W			
Installation type	Wall-mounted			
Cooling mode	Fan cooling			
Communication	RS232/RS485		RS232/RS485/Dry contact/WI-FI	
Display	LCD			
Mechanical specifications				
Inverter dimensions (L*W*H)(mm)	395*315*105		445*347*120	
Net weight(kg)	7.9		9.2	12.4
Warranty period	3 Years			

SOLAR INVERTER GPEO Series EU Single Phase

GPEO-04KL1 PRO-1 /06KL1 PRO-1

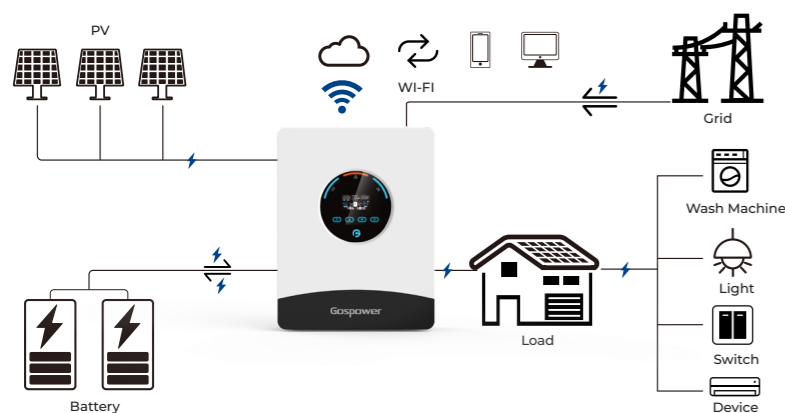
- 
4-6kW
- 
500V
- 
230V
- 
24V/48V
- 
IP54

Dual AC Output
IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
3 Years Warranty

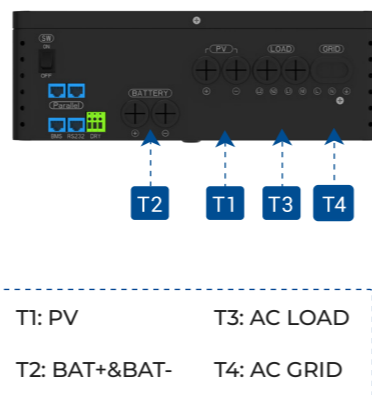


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HOUSE ENERGY SYSTEM



GPEO-04KL1 PRO-1 CONNECTOR

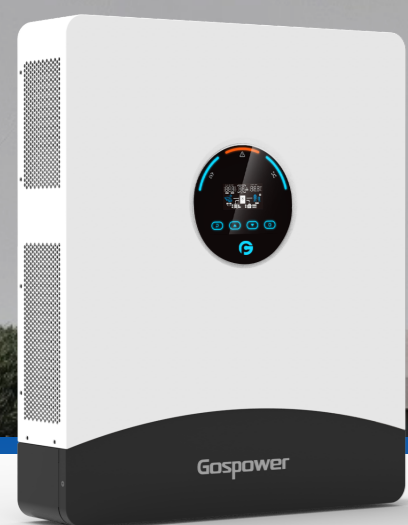


	GPEO-04KL1 PRO-1	GPEO-06KL1 PRO-1
PV(DC input)		
Recommended max. PV input power	6000W	8000W
Max. input voltage(Voc)	500V	
MPPT operating voltage range	85V-450V (@85V start up)	
Number of MPPT	1	
Max. number of input strings per MPPT	1	2
Max. input current per MPPT	15A	27A
Max. short-circuit current per MPPT	18A	32A
Grid(AC input)		
Max. input power	6440W	11500W
Max. input current	28A	50A
Rated grid voltage	220/230/240Vac	
Rated grid frequency	50/60Hz	
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)	
Battery parameters (Bidirection)		
Battery type	LiFePO4 /Lead-acid	
Battery voltage range	20~30Vdc	40~60Vdc
Rated battery voltage	24Vdc	48Vdc
Max. charge/discharge current	120A/160A	120A/130A
BMS communication mode	RS485	
Back-up output (AC output)		
Rated output power	4000W/4000VA	6000W/6000VA
Output Type	Dual Output	
Rated output current	18.2A	27.3A
Rated output voltage/frequency	220/230/240Vac, 50/60Hz	
Parallel capacity	-	Single-phase Max. 12 units; Three-phase Max. 12 units
Surge power	8000VA 5S	12000VA 5s
THDv (@ linear load)	<3%	
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency		
Peak efficiency	95%	98%
Max. MPPT efficiency	99.9%	
Protection		
Inner protection	√Output short-circuit protection √Output overvoltage protection	
Surge protection	PV: Type III, AC: Type III	
IP rating	IP54	
General parameters		
Operating temperature range	-10°C~ 55°C	
Relative humidity range	5%~95%	
Max. operating altitude	>2000m derating	
Standby self-consumption	<10W	
Installation type	Wall-mounted	
Cooling mode	Fan cooling	
Communication	RS232/RS485/Dry contact/WI-FI	
Display	LCD	
Mechanical specifications		
Inverter dimensions (L*W*H)(mm)	445*347*120	
Net weight(kg)	9.2	12.4
Warranty period	3 Years	

SOLAR INVERTER GPEO Series EU Single Phase

GPEO-08KL1-4V1/12KL1

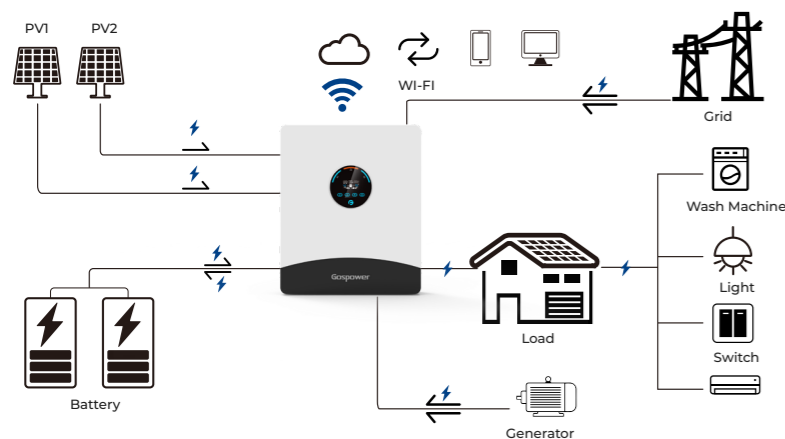
- 8kW-12kW
- 500V
- 230V
- 48V
- IP54



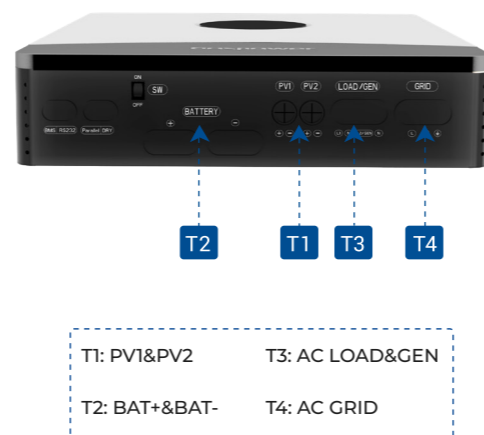
**Dual PV Input
Twin AC Output
IP54 Design
3 Years Warranty
Max. 12 Units Parallel
Support Storing Energy from
Diesel Generator**

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HOUSE ENERGY SYSTEM



GPEO-12KL1 CONNECTOR



OFF-GRID SERIES

	GPEO-08KL1-4V1	GPEO-12KL1
PV(DC input)		
Recommended max. PV input power	16000W	
Max. input voltage(Voc)	500V	
MPPT operating voltage range	85V-450V (@85V start up)	
Number of MPPT	2	
Max. number of input strings per MPPT	2	
Max. input current per MPPT	27/27A(MAX:54A)	
Max. short-circuit current per MPPT	32A/32A	
Grid(AC input)		
Max. input power	14950W	20700W
Max. input current	65A	90A
Rated grid voltage	220/230/240Vac	
Rated grid frequency	50/60Hz	
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)	
Generator(AC input)		
Max. input power	11500W	12000W
Rated input voltage/frequency	220/230/240V, 45-65Hz	230V, 50/60Hz
Max. generator input current	50A	70A
Battery parameters (Bidirection)		
Battery type	LiFePO4 /Lead-acid	
Battery voltage range	40~60Vdc	
Rated battery voltage	48Vdc	
Max. charge/discharge current	160A/180A	210A/230A
BMS communication mode	RS485/CAN	RS485
Back-up output (AC output)		
Rated output power	8000W/8000VA	12000W/12000VA
Output Type	Dual Output	
Rated output current	36.4A	54.5A
Rated output voltage/frequency	220/230/240Vac 50/60Hz	
Parallel capacity	Single-phase Max. 9 units; Three-phase Max. 12 units	Single-phase Max. 6 units; Three-phase Max. 12 units
Surge power	16000VA 5s	24000VA 5s
THDv (@ linear load)	<3%	
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency		
Peak efficiency	98%	
Max. MPPT efficiency	99.9%	
Protection		
Inner protection	√Output short-circuit protection √Output overvoltage protection	
Surge protection	PV: Type III, AC: Type III	
IP rating	IP54	
General parameters		
Operating temperature range	-10°C~ 55°C	
Relative humidity range	10%~95%	
Max. operating altitude	>2000m derating	
Standby self-consumption	<20W	
Installation type	Wall-mounted	
Cooling mode	Fan cooling	
Communication	RS232/RS485/Dry contact/WI-FI	
Display	LCD	
Mechanical specifications		
Inverter dimensions (L*W*H)(mm)	520*420*125	630*525*125
Net weight(kg)	17.5	28.5
Warranty period	3 Years	

SOLAR INVERTER GPEO Series EU Single Phase

GPEO-06KL1-5V1/08KL1-5V1/12KL1-5V1



6-12kW



500V



230V



48V

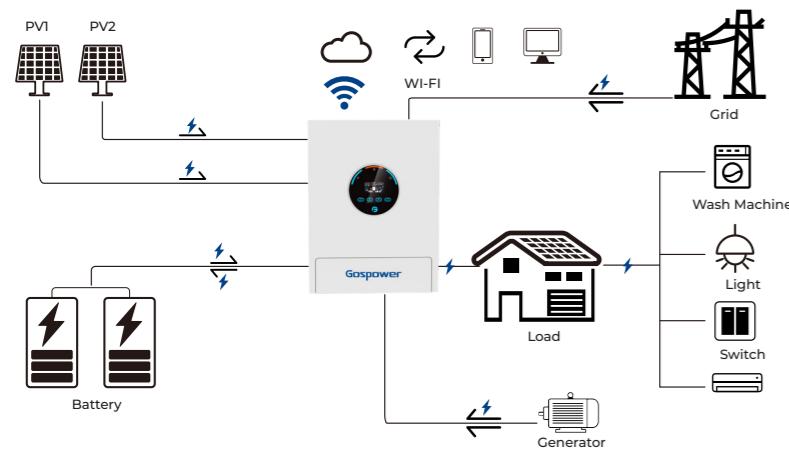


IP55

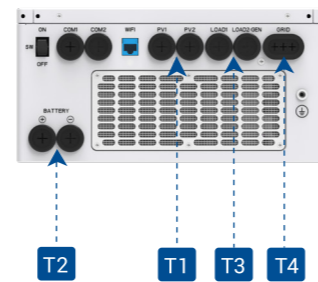


IP55 Design
Dual AC output
2 MPPTs, Supports 2x PV Oversizing
Max.12 Units Parallel
Support Storing Energy from Diesel Generator
3 Years Warranty

HOUSE ENERGY SYSTEM



GPEO-06KL1-5V1 CONNECTOR



T1: PV1&PV2 T3: AC LOAD1&AC LOAD2/GEN
T2: BAT+&BAT- T4: AC GRID

OFF-GRID SERIES

	GPEO-06KL1-5V1	GPEO-08KL1-5V1	GPEO-12KL1-5V1
PV(DC Input)			
Recommended max. PV input power	12000W	16000W	24320W
Max.input voltage(Voc)	500V		
MPPT operating voltage range	85V-450V (@85V start up)		
Number of MPPT	2		
Max. number of input strings per MPPT	1	2	
Max. input current per MPPT	18A/18A	27/27A(MAX:54A)	32/32A (MAX:64A)
Max. short-circuit current per MPPT	22A/22A	32A/32A	40A/40A
Grid(AC Input)			
Max. input power	11500W	14950W	20700W
Max. input current	50A	65A	90A
Rated grid voltage/frequency	220/230/240Vac, 50/60Hz		
Acceptable range	170-280Vac(For UPS); 90-280Vac (For Home Appliances)		
Generator(AC Input)			
Max. Input Power	9200W	11500W	20700W
Rated Input Frequency	45-65Hz		
Rated Input Voltage	220/230/240Vac		
Max. Generator Input Current	40A	50A	90A
Battery parameters (Bidirection)			
Battery type	LiFePO4 /Lead-acid		
Battery voltage range	40~60Vdc		
Rated Battery Voltage	48Vdc		
Max. charge/discharge current	120A/130A	160A/180A	200A / 250A
BMS communication mode	RS485/CAN		
Back-up Output (AC Output)			
Rated output power	6000W / 6000VA	8000W / 8000VA	12000W / 12000VA
Output Type	Dual output		
Rated output current	27.3A	36.4A	52.2A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz		
Parallel Capacity	Single-phase Max. 12 units; Three-phase Max. 12 units	Single-phase Max. 9 units; Three-phase Max. 12 units	
Surge power	12000VA 5s	16000VA 5s	24000VA 5s
THDv (@ linear load)	<3%		
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency			
Peak efficiency	98%		
Max. MPPT efficiency	99.9%		
Protection			
Inner protection	√Output short-circuit protection √Output overvoltage protection		
Surge protection	PV: Type III, AC: Type III		
IP rating	IP55		
General Parameters			
Operating temperature range	-10°C~ 50°C		
Relative humidity range	5%~95%		
Max. operating altitude	>2000m derating		
Standby self-consumption	<15W	<20W	
Installation type	Wall-mounted		
Cooling mode	Smart cooling		
Communication	RS232/RS485/Dry contact/WI-FI		
Display	LCD		
Mechanical Specifications			
Inverter dimensions (D*W*H)(mm)	430*302*148	550*413*150	550*413*167
Net weight(kg)	12.2	20	25
Warranty Period	3 Years		

SOLAR INVERTER

GPEO Series EU Single Phase

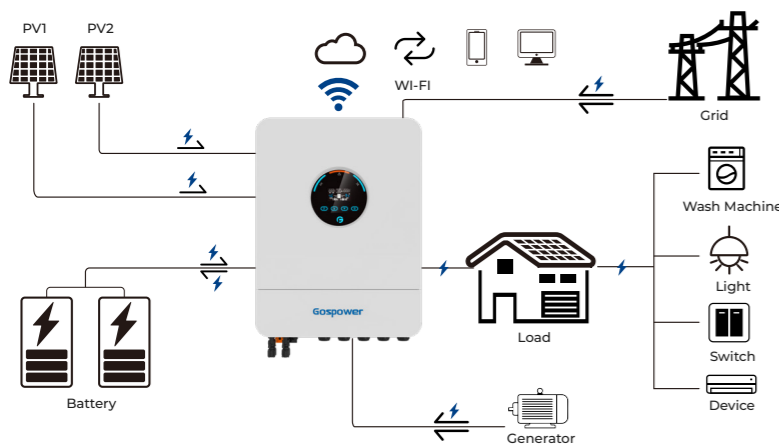
GPEO-06KL1-6V1/08KL1-6V1/12KL1-6V1

 6-12kW
  500V
  230V
  48V
  IP65

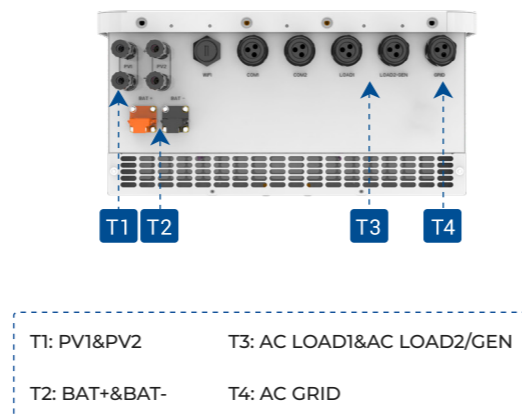


IP65 Design
Dual AC output
2 MPPTs, Supports 2x PV Oversizing
Max.12 Units Parallel
Support Storing Energy from Diesel Generator
5 Years Warranty

HOUSE ENERGY SYSTEM



GPEO-08KL1-6V1 CONNECTOR



OFF-GRID SERIES

	GPEO-06KL1-6V1	GPEO-08KL1-6V1	GPEO-12KL1-6V1
PV(DC Input)			
Recommended max. PV input power	12000W	16000W	24320W
Max.input voltage(Voc)	500V		
MPPT operating voltage range	85V-450V (@85V start up)		
Number of MPPT	2		
Max. number of input strings per MPPT	1	2	
Max. input current per MPPT	18A/18A	27/27A(MAX:54A)	32/32A (MAX:64A)
Max. short-circuit current per MPPT	22A/22A	32A/32A	40A/40A
Grid(AC Input)			
Max. input power	11500W	14950W	20700W
Max. input current	50A	65A	90A
Rated grid voltage/frequency	220/230/240Vac, 50/60Hz		
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)		
Generator(AC Input)			
Max. Input Power	9200W	11500W	20700W
Rated Input Frequency	45-65Hz		
Rated Input Voltage	220/230/240Vac		
Max. Generator Input Current	40A	50A	90A
Battery parameters (Bidirection)			
Battery type	LiFePO4 /Lead-acid		
Battery voltage range	40~60Vdc		
Rated Battery Voltage	48Vdc		
Max. charge/discharge current	120A/130A	160A/180A	200A / 250A
BMS communication mode	RS485/CAN		
Back-up Output (AC Output)			
Rated output power	6000W / 6000VA	8000W /8000VA	12000W / 12000VA
Output Type	Dual output		
Rated output current	27.3A	36.4A	52.2A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz		
Parallel Capacity	Single-phase Max. 12 units; Three-phase Max. 12 units	Single-phase Max. 9 units; Three-phase Max. 12 units	
Surge power	12000VA 5s	16000VA 5s	24000VA 5s
THDv (@ linear load)	<3%		
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency			
Peak efficiency	98%		
Max. MPPT efficiency	99.9%		
Protection			
Inner protection	√Output short-circuit protection √Output overvoltage protection		
Surge protection	PV: Type III, AC: Type III		
IP rating	IP65		
General Parameters			
Operating temperature range	-10°C~ 50°C		
Relative humidity range	5%~95%		
Max. operating altitude	>2000m derating		
Standby self-consumption	<15W	<20W	
Installation type	Wall-mounted		
Cooling mode	Smart cooling		
Communication	RS232/RS485/Dry contact/WI-FI		
Display	LCD		
Mechanical Specifications			
Inverter dimensions (D*W*H)(mm)	TBD	598.8*454*217.2	631*456*238.5
Net weight (kg)	TBD	20.5	23
Warranty Period	5 Years		

OFF GRID INVERTER GPEO Series EU Three Phase

GPEO-12KL3-6V1



12kW



1000V



230V/400V



48V

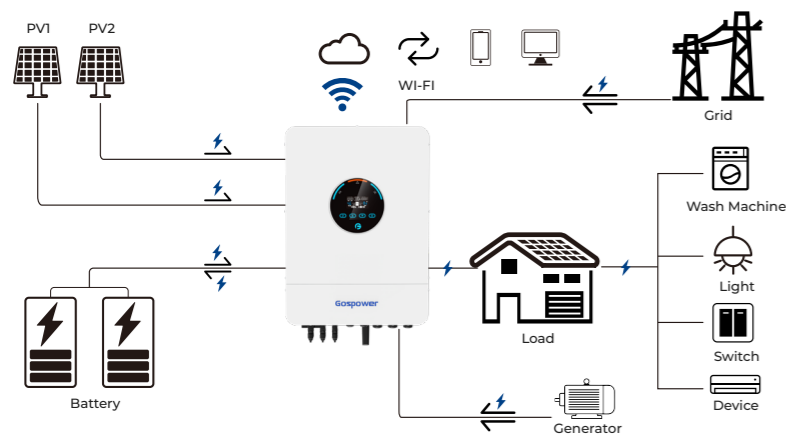


IP65

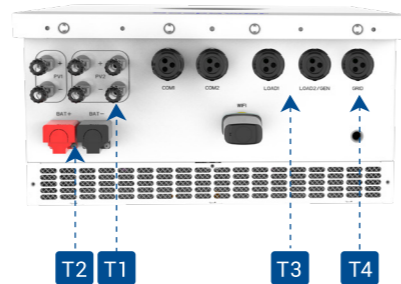


IP65 Design
Dual AC output
2 MPPTs, Supports 2x PV Oversizing
Max.12 Units Parallel
Support Storing Energy from Diesel Generator
5 Years Warranty

HOUSE ENERGY SYSTEM(OFF GRID)



CONNECTOR



T1: PV1&PV2 T3: AC LOAD1&AC LOAD2/GEN
T2: BAT+&BAT- T4: AC GRID

OFF-GRID SERIES

GPEO-12KL3-6V1

PV(DC Input)

Recommended max. PV input power	24000W
Max.input voltage(Voc)	1000V
MPPT operating voltage range	200-850V (@200V start up)
Number of MPPT	2
Max. number of input strings per MPPT	1+2
Max. input current per MPPT	16A + 32A
Max. short-circuit current per MPPT	20/40A

Grid(AC Input)

Max. input power	24000W
Max. input current	35A*3
Rated grid voltage/frequency	230V/400 V(L1,L2,L3,N,PE), 50/60Hz
Acceptable range	170-280Vac (For UPS)

Generator(AC Input)

Max. Input Power	24000W
Rated Input Frequency	50/60Hz
Rated Input Voltage	230V/400V(L1,L2,L3,N,PE)
Max. Generator Input Current	35A*3

Battery parameters (Bidirection)

Battery type	LiFePO4 /Lead-acid
Battery voltage range	40~60Vdc
Rated Battery Voltage	48Vdc
Max. charge/discharge current	250A/250A
BMS communication mode	RS485/CAN

Back-up Output (AC Output)

Rated output power	12000W/12000VA
Output Type	Dual output
Rated output current	17.5A
Rated output voltage/Frequency	400 V(L1,L2,L3,N,PE) 50/60Hz
Parallel Capacity	Max. 12 units
Surge power	24000VA 5s
THDv (@ linear load)	<3%
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)

Efficiency

Peak efficiency	98%
Max. MPPT efficiency	99.9%

Protection

Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP65

General Parameters

Operating temperature range	-20°C~ 60°C
Relative humidity range	5%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<20W
Installation type	Wall-mounted
Cooling mode	Smart cooling
Communication	RS232/RS485/Dry contact/WI-FI
Display	LCD

Mechanical Specifications

Inverter dimensions (D*W*H)(mm)	634*454*222
Net weight(kg)	23
Warranty Period	5 Years

HYBRID INVERTER GPEX Series EU Single Phase

GPEX-3K6L1/5KL1/6KL1

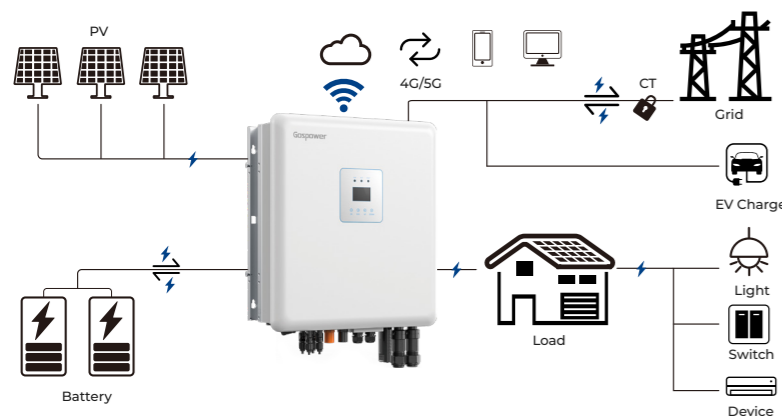
- 3.6-6kW
- 550V
- 230V
- 48V
- IP65



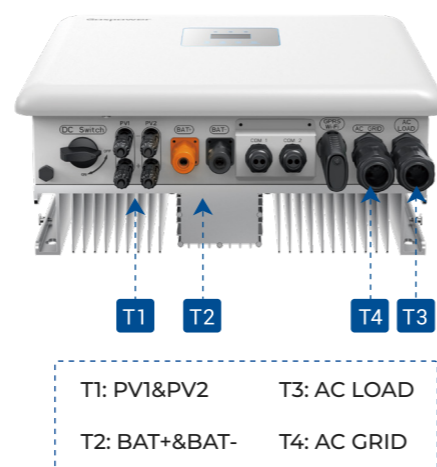
IP65 Design
Natural cooling
Support LFP & SLA Battery
Max.6 Units Parallel
5 Years Warranty

CE Grid Code EN 50549-1 VDE 4105 NTs type A
NRS 097-2-1 TP C10:11 CEI 0-21

HYBRID HOUSE ENERGY SYSTEM(ON/OFF GRID)



GPEX-3K6L1 CONNECTOR



	GPEX-3K6L1	GPEX-5KL1	GPEX-6KL1
PV(DC Input)			
Recommended max. PV input power	4800W	8000W	
Max. input voltage(Voc)	580V		
MPPT operating voltage range	120-550V		
Number of MPPT	1	2	
Max. number of input strings per MPPT	1		
Max. input current per MPPT	13A	13/13A	
Max. short-circuit current per MPPT	20A		
On-grid(Bidirection)			
Rated input power	3600W	5000W	6000W
Rated input current	15.7A	21.7A	26.1A
Rated grid voltage	230V(L,N,PE) 50/60Hz		
THDi	<3%		
Power factor	-0.8~+0.8		
Battery parameters (Bidirection)			
Battery type	SLA & LiFePO4		
Battery voltage range	40~60Vdc		
Rated battery voltage	48Vdc		
Max. charge/discharge current	50A	100A	
BMS communication mode	485;CAN		
Back-up output (AC Output)			
Rated output power	3600W/3600VA	5000W/5000VA	6000W/6000VA
Rated output current	15.7A	21.7A	26.1A
Rated output voltage/frequency	230V(L,N,PE) 50/60Hz		
Surge power	3780VA, 10min 4500VA, 1min 5400VA, 1S	5200VA, 10min 6250VA, 1min 7500VA, 1S	6300VA, 10min 7500VA, 1min 9000VA, 1S
THDv (@ linear load)	<3%		
Switching time	<10ms		
Efficiency			
Max. efficiency	97.20%	98.00%	
Max. MPPT efficiency	99.50%		
European efficiency	96.40%	97.10%	
Protection			
Protection	√DC switch √PV reverse connection protection √ Battery reverse connection protection √Output short-circuit protection √Output overvoltage protection √Insulation impedance detection √Residual current detection √Anti-island protection		
Surge protection	PV: Type III, AC: Type III		
IP rating	IP65		
General parameters			
Operating temperature range	-25~60°C		
Relative humidity range	0%~95%		
Installation type	Wall-mounted		
Cooling mode	Natural cooling		
Communication	Wi-Fi; R485; CAN; GPRS		
Display	LCD;APP		
Mechanical specifications			
Inverter dimensions (L*W*H)(mm)	535*485*198.5		
Net weight (kg)	27.5	29	
Warranty period	5 Years Standard (10 Years Optional)		

HYBRID INVERTER GPEX Series EU Three Phase

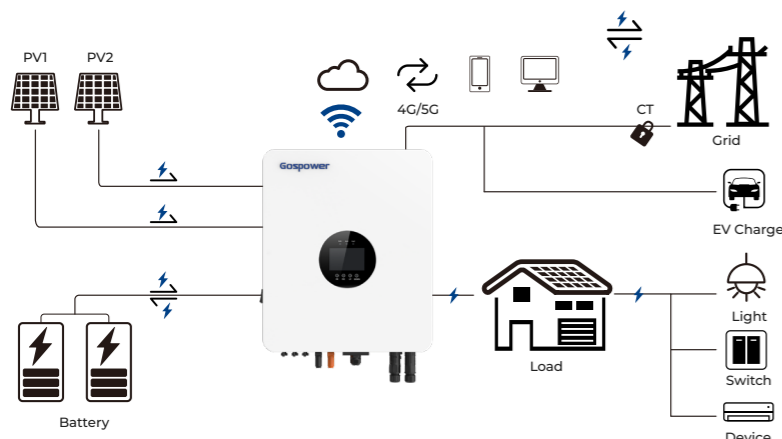
GPEX-10KH3/12KH3/15KH3

- 
10-15kW
- 
850V
- 
400V
- 
160-800V
- 
IP65

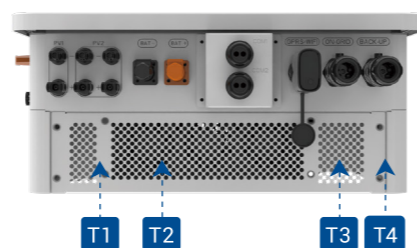


IP65 Design
Smart cooling
Support High Voltage Battery
Built-In BMS Communication
5 Years Warranty

HYBRID HOUSE ENERGY SYSTEM(ON/OFF GRID)



GPEX-10KH3 CONNECTOR



- T1: PV1&PV2 T3: AC LOAD
- T2: BAT+&BAT- T4: BACK-UP

	GPEX-10KH3	GPEX-12KH3	GPEX-15KH3
PV(DC input)			
Recommended max. PV input power	22800W		
Max. input voltage(Voc)	1000V		
MPPT operating voltage range	200-850V(@200v start up)		
Number of MPPT	2		
Max. number of input strings per MPPT	1+2		
Max. input current per MPPT	15A+30A		
Max. short-circuit current per MPPT	19.5/40A		
On-grid(Bidirection)			
Rated input power	10000W	12000W	15000W
Rated input current	14.5A	17.4A	21.7A
Rated grid voltage	400V(L1,L2,L3,N,PE)50/60Hz		
THDi	<3%		
Power factor	-0.8~+0.8		
Battery parameters (Bidirection)			
Battery type	SLA & LiFePO4		
Battery voltage range	160-800V		
Rated battery voltage	400V		
Max. charge/discharge current	50A		
BMS communication mode	485;CAN		
Back-up output (AC output)			
Rated output power	10000W/10000VA	12000W/12000VA	15000W/15000VA
Rated output current	14.5A	17.4A	21.7A
Rated output voltage/frequency	400V(L1,L2,L3,N,PE)50/60Hz		
Surge power	11000VA	13200VA	16500VA
THDv (@ linear load)	<3%		
Switching time	<10ms		
Efficiency			
Max. efficiency	98.00%		
Max. MPPT efficiency	99.90%		
European efficiency	97.50%		
Protection			
Protection	√DC switch √PV reverse connection protection √ Battery reverse connection protection √Output short-circuit protection √Output overvoltage protection √Insulation impedance detection √Residual current detection √Anti-island protection		
Surge protection	PV: Type III, AC: Type III		
IP rating	IP65		
General parameters			
Operating temperature range	-20°C~ 60°C		
Relative humidity range	10%-90%		
Installation type	Wall-mounted		
Cooling mode	Smart cooling		
Communication	Wi-Fi; R485; CAN; GPRS		
Display	LCD;APP		
Mechanical specifications			
Inverter dimensions (L*W*H)(mm)	559*469*202		
Net weight (kg)	30	31	32
Warranty period	5 Years Standard (10 Years Optional)		

SOLAR INVERTER GPEO Series US Single Phase

GPEO-3K5L1-US

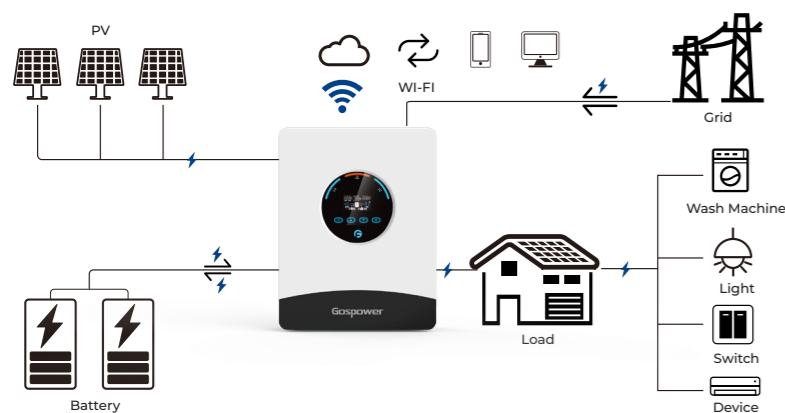
- 3.5kW
- 500V
- 120V
- 48V
- IP54



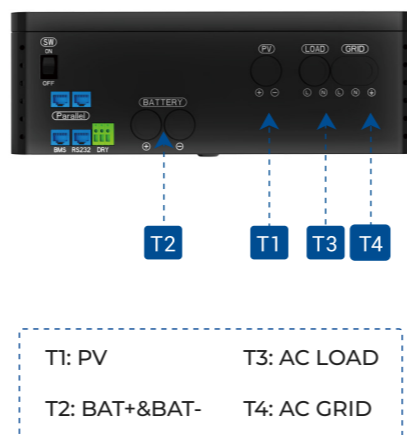
IP54 Design
Pure Sine Wave
110V/120V
Support LiFePO4 & Lead-acid
Battery
3 Years Warranty

CE EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM








CONNECTOR



GPEO-3K5L1-US	
PV(DC input)	
Recommended max. PV input power	6000W
Max. input voltage(Voc)	500V
MPPT operating voltage range	85V-450V (@ 85V start up)
Number of MPPT	1
Max. number of input strings per MPPT	2
Max. input current per MPPT	27A
Max. short-circuit current per MPPT	32A
Grid(AC input)	
Rated input power	4500W
Rated input current	37.5A
Rated grid voltage	110/120/127Vac(L,N)
Rated grid frequency	50/60Hz
Acceptable range	90-140Vac (For UPS); 80-140Vac (For Home Appliances)
Battery parameters (Bidirection)	
Battery type	LiFePO4 /Lead-acid
Battery voltage range	40-60Vdc
Rated battery voltage	48Vdc
Max. charge/discharge current	60A/65A
BMS communication mode	RS485
Back-up output (AC output)	
Rated output power	3500W/3500VA
Rated output current	29.2A
Rated output voltage/frequency	110/120/127V(L,N)50/60Hz
Parallel capacity	Max. 12 Units
Surge power	7000VA 5s
THDv (@ linear load)	<3%
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)
Efficiency	
Max. efficiency	98.00%
Max. MPPT efficiency	99.90%
Protection	
Inner protection	√ Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP54
General parameters	
Operating temperature range	-10°C~ 50°C
Relative humidity range	5%-95%
Installation type	Wall-mounted
Cooling mode	Fan cooling
Communication	RS232/RS485/Dry contact/WIFI
Display	LCD
Mechanical specifications	
Inverter dimensions (L*W*H)(mm)	445*347*120
Net weight (kg)	12
Warranty period	3 Years


HYBRID INVERTER GPEX Series US Split Phase

GPEX-15KH2

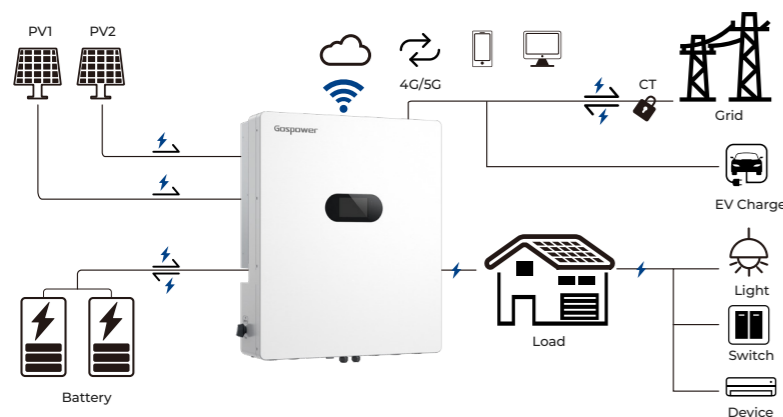
- 
15kW
- 
550V
- 
120/240V
- 
75-480V
- 
TYPE 4X



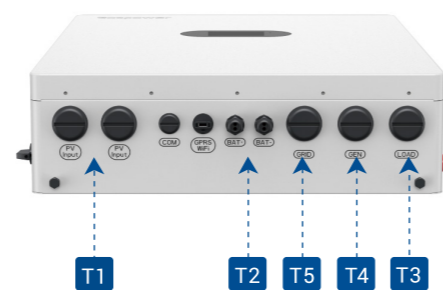
TYPE 4X Design
Natural Cooling
Support High Voltage Battery
Generator Port
5 Years Warranty

 Grid Code UL1741 UL1699B IEEE1547.1-2020
FCC (part15 class B), AFI TYPE1

HOUSE ENERGY SYSTEM(ON/OFF GRID)



CONNECTOR



T1: PV1&PV2 T3: AC GRID
T2: BAT+&BAT- T4: GENERATOR
T5: AC LOAD

GPEX-15KH2	
PV(DC input)	
Recommended max. PV input power	24kW
Max. input voltage(Voc)	550V
MPPT operating voltage range	120-550V
Number of MPPT	4/2
Max. number of input strings per MPPT	6KW
Max. input current per MPPT	27A
Max. short-circuit current per MPPT	40A
On-grid(Bidirection)	
Rated input power	15kW
Rated input current	62.5A
Max. continuous AC input power	20kW
Max.continuous AC input current	83.3A
THDi	<3%
Rated grid voltage	120/240V,208V(L1,L2,N)50/60Hz
Power factor	0.8leading..0.8lagging
Battery parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	75-480Vdc
Rated battery voltage	204.8Vdc
Max. charge/discharge current	75A
BMS communication mode	CAN/485
Back-up output (AC output)	
Rated output voltage(L-L)	120/240V,208V(L1,L2,N)50/60Hz
Output power/current (L-L)	Rated: 15kW/62.5A
Rated output voltage(L-N)	120V (L, N) 60Hz
Generator parameters(AC input)	
Rated AC input voltage	120/240 V (L1, L2,N) 60Hz
Max. AC input current	79.2A
Max. AC input power	19kW
Efficiency	
Peak efficiency	97.00%
Max. MPPT efficiency	99.90%
Battery charging/discharging efficiency	96.00%
Protection	
Protection	√DC switch √PV reverse connection protection √ Battery reverse connection protection √Output short-circuit protection √Output overvoltage protection √Insulation impedance detection √Residual current detection √Anti-island protection
Surge protection	PV: Type III, AC: Type III
IP rating	Type 4X
General parameters	
Operating temperature range	-22°F~+140°F (No derating below 113° F)
Relative humidity range	>3000m derating
Cooling mode	Natural cooling
Communication	WIFI/ GPRS
Switching time	<20MS
Mechanical specifications	
Inverter dimensions (L*W*H)(mm)	840*680*200
Net weight (kg)	58.5
Warranty period	5 Years Standard (10 Years Optional)

All In One Home Energy System

GPSO Series



Flexible Scalability
Supports up to 4 series connections for strong expandability

Smart Operation & Maintenance
Easy installation, WiFi remote monitoring

Safety and Reliability
Built-in BMS, IP54 protection, 3-years warranty

Enhanced Energy Efficiency
Maximum 1C charge/discharge rate, 3.5kW-10kW rated output power

User-Friendly Design
Floor-standing installation, touch buttons, full-view LCD display

Local Service
Supports local sales and after-sales service

	GPSO-03K5L1-050S1	GPSO-05KL1-050S1	GPSO-10KL1-100S2
PV(DC Input)			
Recommended max. PV input power	6000W	8000W	16000W
Max.input voltage(Voc)	500V		
MPPT operating voltage range	85V-450V(@85V start up)		
Number of MPPT	1	2	
Max. number of input strings per MPPT	2		
Max. input current per MPPT	27A	27/27A	
Max. short-circuit current per MPPT	35A	35/35A	
Grid(AC Input)			
Max input power	4500W	10000W	16000W
Max input current	37.5A	45A	78A
Rated grid voltage	110/120/127V(L,N)	220/230/240Vac	
Rated grid frequency	50/60Hz		
Acceptable range	90-140Vac(For UPS); 80-140Vac (For Home Appliances)	170-280Vac(For UPS); 90-280Vac (For Home Appliances)	
Battery parameters (Bidirection)			
Battery type	LiFePO4		
Battery voltage range	40~60Vdc		
Nominal Battery Energy/-pack Quantity	5.12kWh	2*5.12kwh	
Max. charge/discharge current	100A/100A	200A/200A	
Max parallel quantity/energy	4/20.48KWH		
Back-up(AC output)			
Rated output power	3500W/3500VA	5000W/5000VA	10000W/10000VA (Twin output)
Rated output current	29.2A	22.7A	44.5A
Rated output voltage/frequency	110/120/127V (L,N) 50/60Hz	220/230/240Vac 50/60Hz	
Surge power	7000VA 5s	10000VA 5S	20000VA 5s
THDv (@ linear load)	<3%		
Parallel Capacity	Single-phase Max. 12 units Three-phase Max. 12 units	Single-phase Max. 6 units Three-phase Max. 12 units	
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency			
Peak efficiency	98%		
Max. MPPT efficiency	99.90%		
Protection			
Inner protection	√Output short-circuit protection √Output overvoltage protection		
Surge protection	PV: Type III, AC: Type III		
IP rating	IP54		
General Parameters			
Operating temperature range	-10°C~ 55°C		
Relative humidity range	5%~95%		
System dimensions(L*W*H)(mm)	650*480*445.8		
System weight(kg)	74.4	139.1	
Warranty Period	3 Years		

1200W Portable Power Station

GPSP Series



GPSP-12L1-010A1

PV(DC input)

Recommended max. PV input power	900W
Max. input voltage(Voc)	120V
MPPT operating voltage range	25V-100V(@22V start up)
Number of MPPT	1
Max. number of input strings per MPPT	1
Max. input current per MPPT	15A
Max. short-circuit current per MPPT	18A

DC output

USB-A1	5V/1A
USB-A2	5V/2A
USB-C1	NA
DC5521	12V/3A

Battery parameters (Bidirection)

Battery capacity	960Wh,50Ah
Battery type	LiFePO4
Battery voltage range	16~22Vdc
Rated battery voltage	19.2Vdc
Max. charge/discharge current	50A/75A
BMS communication mode	UART

Back-up output (AC output)

Rated output power	1200W/1200VA
Rated output current	5.5A or 11A
Rated output voltage	220/230/240Vac 50/60Hz or 120Vac 60Hz
Frequency	50/60Hz
Surge power	2400VA 2s
THDv (@ linear load)	<3%

Efficiency

Peak efficiency	>90%
Max. MPPT efficiency	99.90%

Protection

Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP21

General parameters

Operating temperature range	-10°C~ 45°C
Relative humidity range	5%~95%
Max.operating altitude	>2000m derating
Standby self consumption	<15W
Cooling mode	Fan cooling
Dimension(L*D*H)(mm)	320*225*200
Gross weight (kg)	12.5
Warranty period	2 Years



Enhanced Energy Efficiency

Maximum PV input power 900W;
rated load capacity 1200W



Safety Protection

Features overvoltage and short-circuit protection functions



Safety and Reliability

Built-in BMS, IP21 protection,
2-years warranty



Superior Performance

Supports high-power household appliances under load with short-circuit protection



User-Friendly

Integrated design for instant access



Local Service

Supports local sales and after-sales service

Sailor Series Smart Mini Solar Power Station 1200W/960Wh



Extraordinary Load-Carrying Capacity

Support starting a 1 HP air conditioner



High PV Input Power

Max.PV input Power 1000W



Worry-Free Services

24/7 technical support and free maintenance for 2 years



Diversified Power Supply

Supply through solar energy, utility and storage batteries, solar priority



User-Friendly

Portable and easy to move, with a silent mode as low as 30dB



Ultimate Cost-Effectiveness

Bi-inverter、PV、BMS all in one and 50AH large cylindrical cells

GPSP-1K2L1-010A1-MV1

PV(DC Input)

Recommended max. PV input power	1000W
Max.input voltage(Voc)	110V
MPPT operating voltage range	12V-100V(@11V start up)
Number of MPPT	1
Max. number of input strings per MPPT	1
Max. input current per MPPT	15A, 29V and below, limited to 8A
Max. short-circuit current per MPPT	18A

DC output

USB-A1	QC3.0 18W(5V/3.4A,9V/2A,12V/1.5A)
USB-C1	PD 30W (5V/3A, 9V/3A, 12V/2.5A)
DC5521	12V/5A
LED lighting	3W

Battery parameters (Bidirection)

Battery capacity	960Wh
Battery type	LiFePO4,50Ah
Battery voltage range	16~22Vdc
Rated battery Voltage	19.2Vdc
Max. charge/discharge current	50A/75A
BMS communication mode	RS485

Back-up Output (AC Output)

Rated output power	1200W/1200VA
Rated output current	5.5A or 11A
Rated output voltage	220/230/240Vac 50/60Hz or 120Vac 60Hz
Frequency	50/60Hz
Surge power	2400VA 2s
THDv (@ linear load)	<3%
Switching time	10ms typical (For UPS)20ms typical(For Home Appliances)

Efficiency

Peak efficiency	>92%
Max. MPPT efficiency	99.90%





Protection

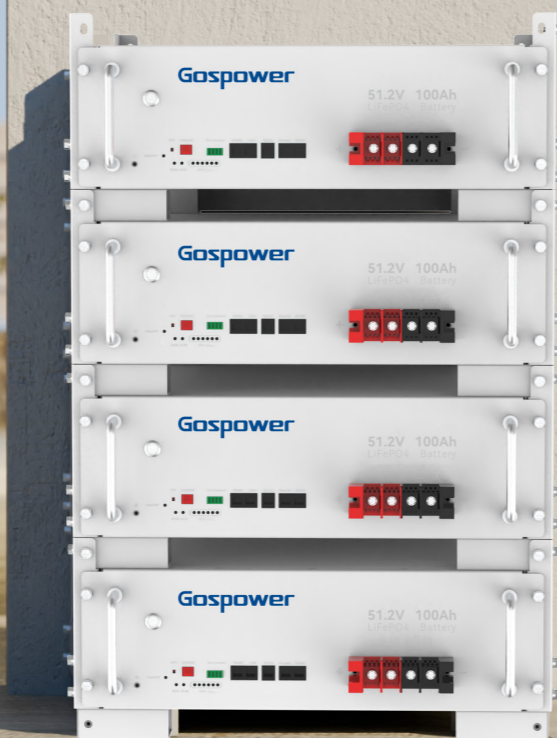
Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP21

General Parameters

Operating temperature range	-10°C~ 45°C
Relative humidity range	5%~95%
Max.operating altitude	<3000m
Standby self consumption	<16W
Cooling mode	Fan cooling
Dimension(L*D*H)(mm)	320*240*220
Gross Weight (kg)	13.5
Warranty period	2 Years

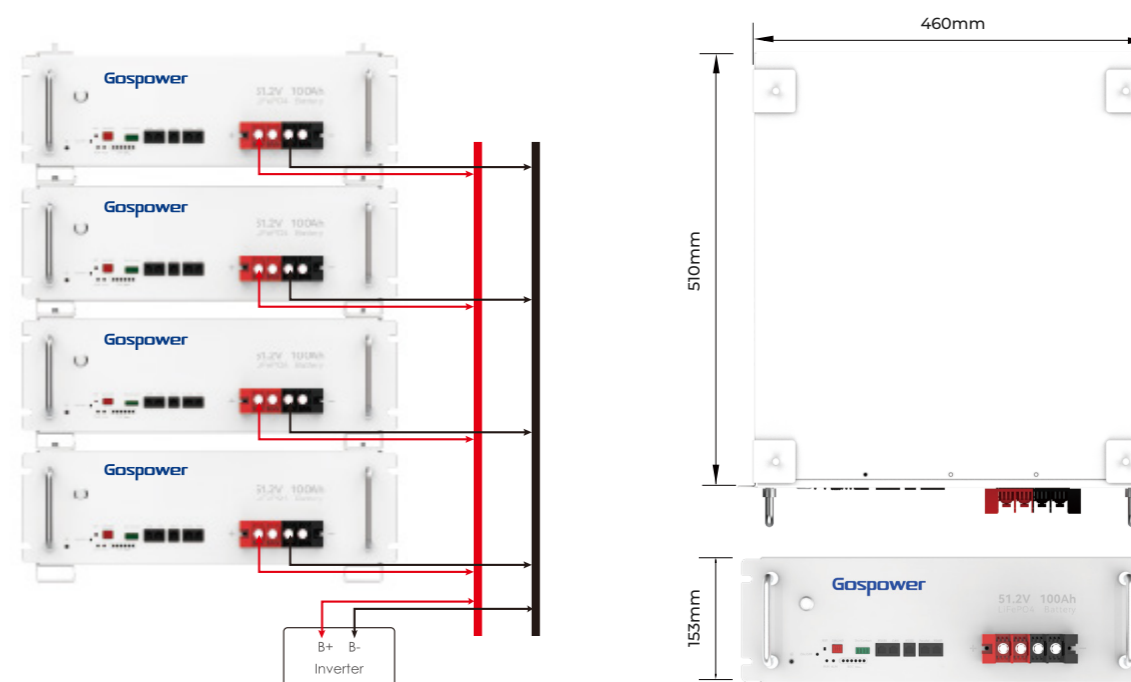
51.2V 100Ah 3U Racked Battery GPLB-512100R

- 
51.2V
- 
5.12kW
- 
5.12kWh
- 
IP20



GPLB-512100R	
Nominal energy (kWh)	5.12
Nominal voltage (V)	51.2
Nominal capacity(Ah)	100
IP rating	IP20
Output power (kW)	5.12
Voltage range (V)	43.2~58.4
Charge voltage (V)	56.8~58.4
Charge current (A)	100
Discharge current(A)	100
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>6000(@25°C, 80% DOD)
Weight (kg)	48

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 6000+



Smart Operation & Maintenance

Stacked installation saves space effectively



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 76.8kWh with 15 strings in parallel



User-Friendly

Compatible with mainstream inverters



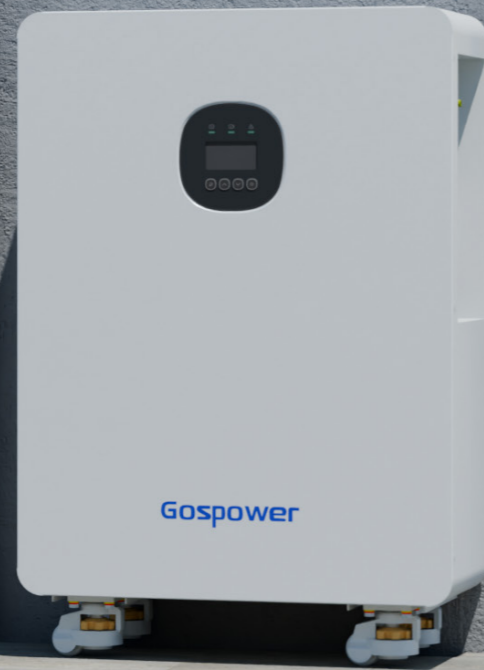
Local Service

Supports local sales and after-sales service

SolarEngineX ALL IN ONE ESS

Smart Small Solar Power Station

3.6kw/5.248kwh



GPSO-3K6L1-052A	
PV(DC Input)	
Recommended max. PV input power	4500W
Max.input voltage(Voc)	500V
MPPT operating voltage range	75V-425V(@70V start up)
Number of MPPT	1
Max. number of input strings per MPPT	1
Input terminal	MC4
Max. input current per MPPT	18A
Max. short-circuit current per MPPT	22A
Grid(AC Input)	
Max. input power	4600W
Max. input current	20A
Rated grid voltage/frequency	220/230/240Vac, 50/60Hz
Acceptable range	170-280Vac(For UPS); 90-280Vac (For Home Appliances)
Battery parameters (Bidirection)	
Battery type	LiFePO4 /Lead-acid
Battery voltage range	20~30Vdc
Rated Battery Voltage	25.6Vdc
Max. charge/discharge current	120A/170A
Nominal Battery Energy	5.248KWH
Battery Capacity	205AH
BMS communication mode	CAN,RS485
Back-up Output (AC Output)	
Rated output power	3600W/3600VA
Rated output current	16A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz
Parallel Capacity	Single-phase Max. 12 units
Surge power	7000VA 5S
THDv (@ linear load)	<3%
AC output terminal	2 waterproof terminals 16A, 40A terminal blocks
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)
Efficiency	
Peak efficiency	92%
Max. MPPT efficiency	99%
Protection	
Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP54
General Parameters	
Operating temperature range	-10°C~ 55°C
Relative humidity range	5%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<30W
Installation type	Integrated roller
Cooling mode	Fan cooling
Communication	RS232/RS485/CAN/WI-FI
Display	LCD/APP
Mechanical Specifications	
Inverter dimensions (L*W*H)(mm)	660*500*220
Net weight (kg)	53
Warranty period	3 Years+



Extraordinary Load-Carrying Capacity

Ability to carry motor loads:0.6times the inverter rated power , support powering for professional power tools



High PV Input Power

Max PV input power of ≥1.5 times the rated power



Cost-Effectiveness

Highly integrated ESS saves cost and space effectively



Safety and Reliability

Grade -A LFP cells, IP54 protection, simple and safe wiring



User-Friendly

Moveable and easy installation, quiet operation with < 50dB(A), support WIFI/APP upgrading



Worry-Free Services

24/7 technical support and free maintenance for 3 years, 2-year paid extended warranty

Low Voltage Lead Replacement Battery Series

⚡ 12V/24V
 💧 IP65



	12100LRB	12200LRB	12314LRB	25100LRB	25200LRB
Nominal energy (Wh)	1280	2560	4019.2	2560	5120
Nominal voltage (V)	12.8	12.8	12.8	25.6	25.6
Nominal capacity(Ah)	100	200	314	100	200
Output power (kW)	1.28	2.56	2.56	2.56	5.12
Voltage range (V)	10.8-14.6			21.6-29.2	
Charge voltage (V)	14.2-14.6			28.4-29.2	
Charge current (A)	50 (Nominal) /100 (Max)	100 (Nominal) / 200 (Max)		50 (Nominal) /100 (Max)	100 (Nominal) / 200 (Max)
Discharge current(A)	50 (Nominal) /100 (Max)	100 (Nominal) / 200 (Max)		50 (Nominal) /100 (Max)	100 (Nominal) / 200 (Max)
Charge mode	CC-CV				
Communication	Bluetooth				
Charge temperature	0°C~ 55°C				
Discharge temperature	-20°C~ 55°C				
Warranty	3 Years				
Cycle life	> 6000 (@25°C, 70% DOD)				
IP rating	IP65				
Dimension(L*W*H, mm)	229*138*210	522*240*215	384*194*248	532*207*215	520*268*220
Weight (kg)	10.5	20.5	27.5	20.5	40.0
Safety & Certification	CE, UN38.3, MSDS				

12.8V Series



12100LRB



12200LRB



12314LRB

25.6V Series



25100LRB



25200LRB



Seamless Replacement

Plug & play. Compatible with standard chargers, zero system modifications



LiFePO4 Technology

Superior safety, 100% DOD, and 6,000+ reliable cycles



Ultra-Lightweight Design

Approx. 50% the weight of lead-acid, drastically cutting transport and installation costs



Maintenance-Free

Internal cell balancing eliminates daily watering and upkeep, lowering operational costs



Smart BMS Protection

Actively protects against overcharge, over-discharge, overcurrent, and extreme temperatures

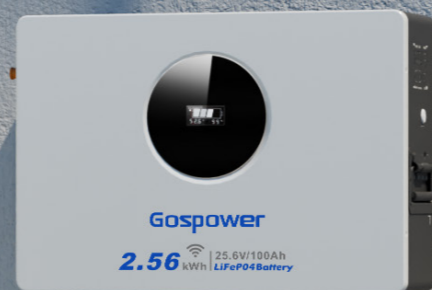


IP65 All-Weather

-20°C to 65°C wide operating range with robust IP65 enclosure for harsh environments

25.6V 100Ah LV Battery GPLB-24100M

- 
25.6V
- 
2.56kW
- 
2.56kWh
- 
IP20



GPLB-24100M	
Nominal energy (kWh)	2.56
Nominal voltage (V)	25.6
Nominal capacity(Ah)	100
IP rating	IP20
Output power (kW)	2.56
Voltage range (V)	21.6~29.2
Charge voltage (V)	28.4~29.2
Charge current (A)	75
Discharge current(A)	100
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>6000(@25°C, 80% DOD)
Weight (kg)	27.7

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 6000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 40.96kWh with 16 strings in parallel



User-Friendly

Compatible with mainstream inverters



Local Service

Supports local sales and after-sales service

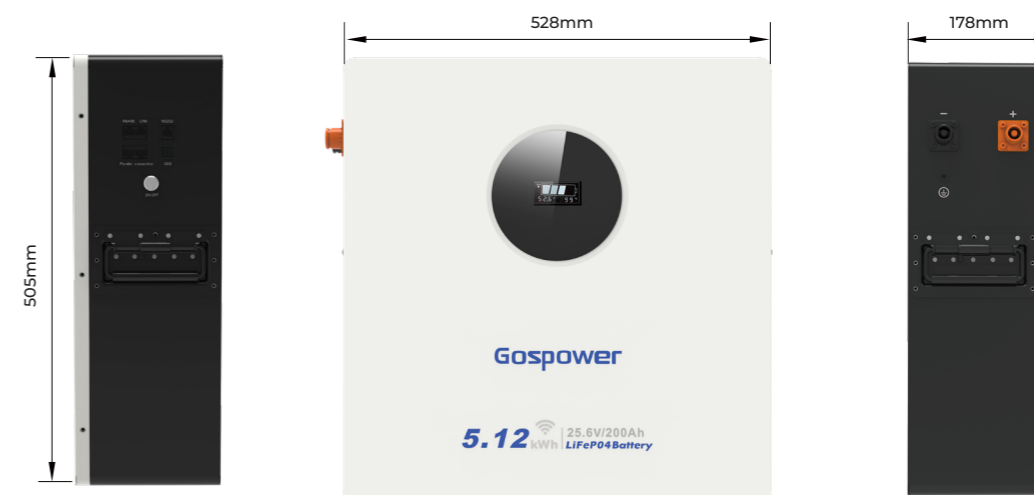
25.6V 200Ah LV Battery GPLB-24200M



- 
25.6V
- 
5.12kW
- 
5.12kWh
- 
IP20

GPLB-24200M	
Nominal energy (kWh)	5.12
Nominal voltage (V)	25.6
Nominal capacity(Ah)	200
IP rating	IP20
Output power (kW)	5.12
Voltage range (V)	21.6~29.2
Charge voltage (V)	28.4~29.2
Charge current (A)	150
Discharge current(A)	200
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>6000(@25°C, 80% DOD)
Weight (kg)	48.5

Dimensions



Cost-effective

Grade-A LFP cells with a cycle life of 6000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 81.92kWh with 16 strings in parallel



User-Friendly





Compatible with mainstream inverters



Local Service

Supports local sales and after-sales service

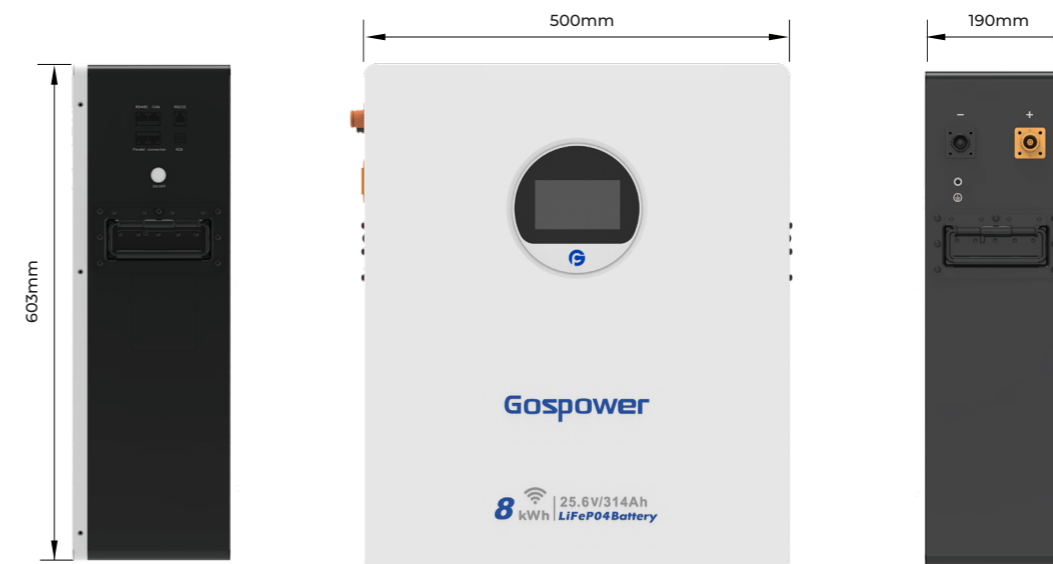
25.6V 314Ah LV Battery GPLB-24314M

- 
25.6V
- 
5.12kW
- 
8.04kWh
- 
IP20



GPLB-24314M	
Nominal energy (kWh)	8
Nominal voltage (V)	25.6
Nominal capacity(Ah)	314
IP rating	IP20
Output power (kW)	5.12
Voltage range (V)	21.6~29.2
Charge voltage (V)	28.4~29.2
Charge current (A)	150
Discharge current(A)	200
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>8000(@25°C, 80% DOD)
Weight (kg)	65

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 8000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 128.64kWh with 16 strings in parallel



User-Friendly

Compatible with mainstream inverters



Local Service

Supports local sales and after-sales service

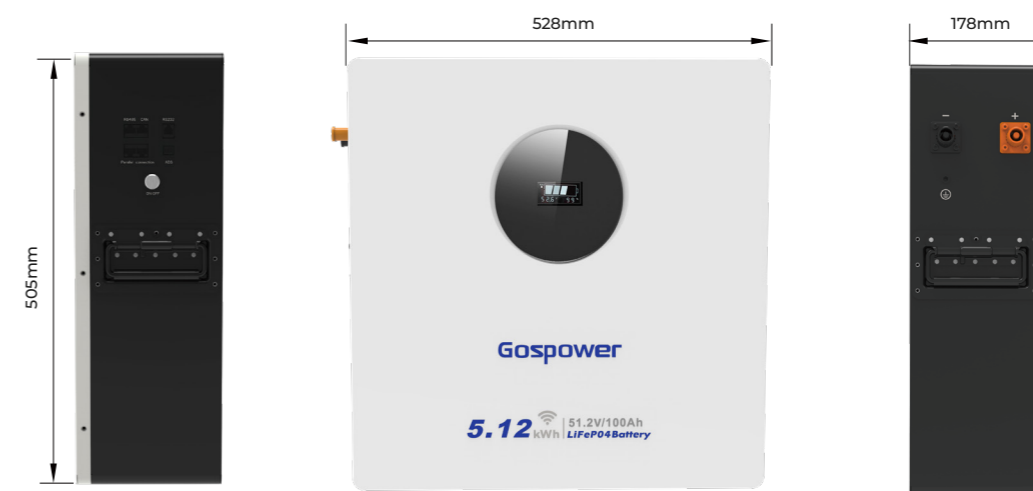
51.2V 100Ah LV Battery GPLB-48100M

- 51.2V
- 5.12kW
- 5.12kWh
- IP20



GPLB-48100M	
Nominal energy (kWh)	5.12
Nominal voltage (V)	51.2
Nominal capacity(Ah)	100
IP rating	IP20
Output power (kW)	5.12
Voltage range (V)	43.2~58.4
Charge voltage (V)	56.8~58.4
Charge current (A)	75
Discharge current(A)	100
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>6000(@25°C, 80% DOD)
Weight (kg)	48.5

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 6000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 81.92kWh with 16 strings in parallel



User-Friendly

Compatible with mainstream inverters



Local Service

Supports local sales and after-sales service

51.2V 200Ah LV Battery GPLB-48200M

- 
51.2V
- 
10.24kW
- 
10.24kWh
- 
IP20



GPLB-48200M	
Nominal energy (kWh)	10.2
Nominal voltage (V)	51.2
Nominal capacity(Ah)	200
IP rating	IP20
Output power (kW)	10.24
Voltage range (V)	43.2~58.4
Charge voltage (V)	56.8~58.4
Charge current (A)	150
Discharge current(A)	200
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>6000(@25°C, 80% DOD)
Weight (kg)	93

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 6000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 163.84kWh with 16 strings in parallel



User-Friendly

Compatible with mainstream inverters



Local Service

Supports local sales and after-sales service

51.2V 205Ah LV Battery GPLB-48205W



51.2V



10.24kW



10.496kWh



IP20



GPLB-48205W	
Nominal energy (kWh)	10.49
Nominal voltage (V)	51.2
Nominal capacity(Ah)	205
IP rating	IP20
Output power (kW)	10.24
Voltage range (V)	43.2~58.4
Charge voltage (V)	56.8~58.4
Charge current (A)	150
Discharge current(A)	200
Charge mode	CC-CV
Communication	CAN/RS485/RS232/ Dry Contact
Charge temperature	0°C~ 55°C
Discharge temperature	-20°C~ 55°C
Warranty	5 Years
Cycle life	>6000(@25°C, 80% DOD)
Weight (kg)	94

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 6000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Scalable up to 167.9kWh with 16 strings in parallel



User-Friendly

Compatible with mainstream inverters, plug-and-play adaptability



Local Service

Supports local sales and after-sales service

51.2V 280/314Ah LV Battery GPLB-48280W/48314W

- 51.2V
- 10.24kW
- 14.34/16.08kWh
- IP20



	GPLB-48280W	GPLB-48314W
Nominal energy (kWh)	14.3	16
Nominal voltage (V)	51.2	
Nominal capacity(Ah)	280	314
IP rating	IP20	
Output power (kW)	10.24	
Voltage range (V)	43.2~58.4	
Charge voltage (V)	56.8~58.4	
Charge current (A)	150	
Discharge current(A)	200	
Charge mode	CC-CV	
Communication	CAN/RS485/RS232/ Dry Contact	
Charge temperature	0°C~ 55°C	
Discharge temperature	-20°C~ 55°C	
Warranty	5 Years	
Cycle life	>6000(@25°C, 80% DOD)	>8000(@25°C, 80% DOD)
Weight (kg)	117	120.5

Dimensions



Cost-effective

Grade-A LFP cells with a cycle Life of 6000+



Easy Installation

Plug-and-play wiring, easy installation



Safety and Reliability

Built-in BMS, IP20 protection, 5-years warranty



Flexible Scalability

Up to 16 strings in parallel, providing strong scalability



User-Friendly

Compatible with mainstream inverters, plug-and-play adaptability



Local Service

Supports local sales and after-sales service

102V-400V High Voltage Stacked Battery

GP HB-48100S-2/3/4/5/6/7/8

⚡ 100-400V

💧 IP65



Parameters	48100S-2	48100S-3	48100S-4	48100S-5	48100S-6	48100S-7	48100S-8
Battery module quantity							
Battery module energy (kWh)	10.24	15.36	20.48	25.60	30.72	35.84	40.96
Module number	2	3	4	5	6	7	8
Rated voltage (V)	102.4	153.6	204.8	256.0	307.2	358.4	409.6
Voltage range(V)	86.4-116.8	129.6-175.2	172.8-233.6	216.0-292.0	259.2-350.4	302.4-408.8	345.6-467.2
Rated charge current(A)	20						
Rated discharge current(A)	50						
Max. discharge current (A)	75						
Dimension:(W*D*H)	600*390*652	600*390*816	600*390*979	600*390*1143	600*390*1306	600*390*1470	600*390*1633
Weight (kg)	119	165	212	258	304	350	397
Environment parameter							
Enclosure protection rating	IP65						
Charge temperature range	0°C~50°C						
Discharge temperature range	-20°C~55°C						
Installation method	Floor-mount						
Service life							
Cycle life	>6000(@25°C, 80% DOD)						
Design life (Year)	10						
Certification							
Safety & certification	CE, IEC62619						
Transportation	UN38.3						



Cost-effective

10-year lifespan design with over 6000 charge cycles



Smart Operation & Maintenance

Multi-platform monitoring with remote control and upgrade support



Safety and Reliability

Built-in BMS, IP65 high-grade protection



Enhanced Energy Efficiency

Supports 8 battery cells in series for up to 40.96kWh capacity



User-Friendly

Stackable design for flexible expansion and easy installation



Superior Performance

Maximum 75A discharge current meets high-power demands for villas

Wireless WIFI Distribution Network

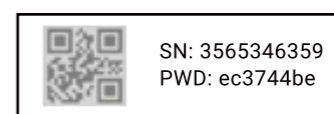
Step 1

Scan the QR code below and download the APP.



Step 2

Scan the QR code on the film(as shown in the figure below) on the collection stick.



Step 3

Click the Register a new account button to jump to Register a new account: the registration page. You need to improve the basic information of the account according to the prompts to complete the registration and use of the SOLAR MAN Smart App account.

Step 4

Log In: After completing the account registration, you can log in by selecting E-mail Phone and User name for subsequent operations, enter the corresponding account and password, and click the Log In button to enter SOLARMAN Smart.

HYBRID INVERTER MONITORING APP/SOLAR MAN

- Plug Design, Easy to install
- External Design, Easier to Replace Faulty Equipment
- End-User Can Monitor at Any Time with Solar Man

Wireless WIFI Distribution Network

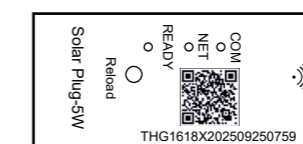
Step 1

Scan the QR code on the right and download the APP.



Step 2

Click the Register a new account button to jump to Register a new account: the registration page. You need to improve the basic information of the account according to the prompts to complete the registration and use of the THINGS-X Smart App account.



Step 3

Log In: After completing the account registration, you can log in with your E-mail for subsequent operations. Enter the corresponding account and password, and click the Log In button to enter.

OFF GRID INVERTER MONITORING APP/THINGS-X

- Plug Design, Easy to Install
- External Design, Easier to Replace Faulty Equipment
- End-User Can Monitor at Any Time

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CORPORATE CULTURE

Our Vision

To be a world leading company in digital power field.

Our Mission


Provide smart energy solutions for low-carbon society.

Our Values

Honest,Integrity,Excellence and Striver-oriented.

CASE




 12KW System in Iraq




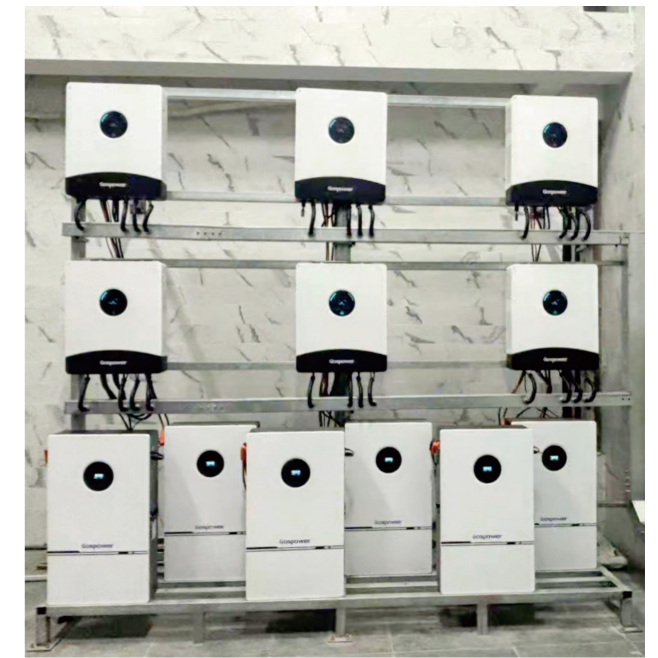
 30KWH System In Malaysia




 60KWH System in Vietnam




 36KW System in Bolivia




 72KW System in Iraq




 6KW System in Myanmar




 12KW System in Myanmar




 12KW System in Vietnam




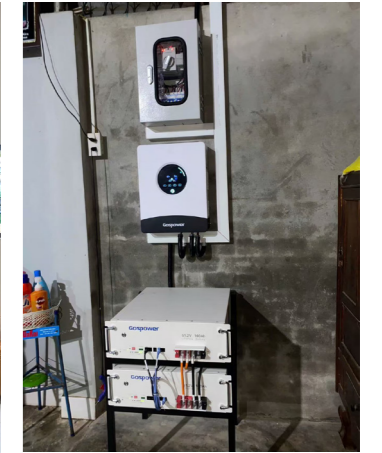
 12KW System in Iraq




 12KW System in Iraq




 15KWH System in Peru




 10KWH System in Brazil

CASE




 60KWH System In Vietnam




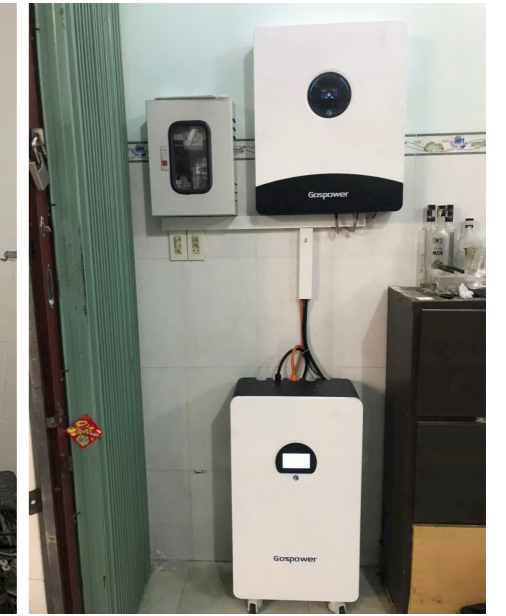
 18KW System in Myanmar




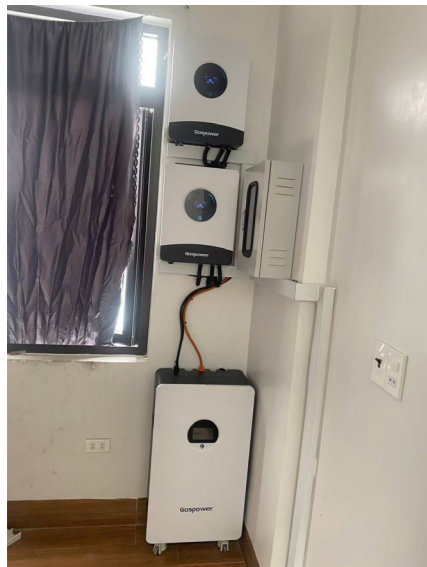
 15KWH System In Vietnam




 30KWH System in Myanmar




 15KWH System In Vietnam




 15KWH System In Malaysia




 10KWH System in Philippines




 30KWH System in Philippines



 60KWH System in Vietnam



 60KWH System in Chile



 10KWH System in Thailand