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Ver: 2504



PRODUCT CATALOG

New Energy Application

- HYBRID INVERTER
- BATTERY PACK
- OFF GRID INVERTER
- BALCONY STORAGE

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GOSPOWER PROFILE



Gospower is a leading Energy & Electric company founded in 2006. With 19 years of experience,we provide energy storage battery, hybrid and off-grid inverters and power supply products.

Headquartered in Shenzhen, Gospower has a factory in dongguan Songshan Lake Industrial Park of 80,000 sqm, more than 1200 employees.

With 400+ R&D solid experienced engineers, Gospower has become a trusted partner across China and worldwide. All solar energy and power products are developed by Gospower, with patents and certificates passed.

Gospower is driven by a mission providing smart energy solutions for low-carbon society. Through technical innovation and satisfied service, we have been distributing solar energy and digital power to sustainable future.

2006
Since

120000m²
Factory

400⁺
Engineers

150⁺
Patents

Products Portfolio



Off-grid Inverter



Hybrid Inverter



Hybrid Inverter



LiFePO₄ Battery



HV LiFePO₄ Stacked Battery



LiFePO₄ Battery



Balcony Storage

OFF GRID INVERTER

GPEO Series EU Single Phase

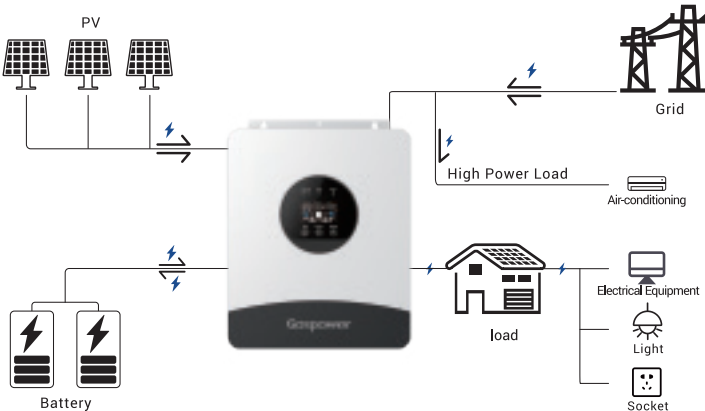
1K8L1-M/3K6L1-M

- 
1.8-3.6KVA
- 
100/145V
- 
230V
- 
12/24V
- 
IP21

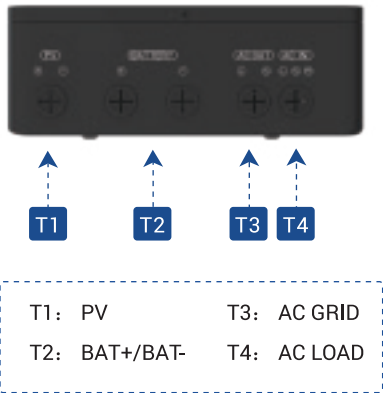
IP21 Design
Pure Sine Wave
Support LFP & SLA Battery
2 Years Warranty

CE EN 62109-1 EN 62109-2 IEC 61000

HOUSE ENERGY SYSTEM (OFF GRID)



CONNECTOR



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 (@+6V start up)		30V-120V (@30V start up)	
	Number of MPPT	1		1	
	Max. number of input strings per MPPT	1		1	
	Max. input current per MPPT	20A		25A	
	Max. short-circuit current per MPPT	25A		27A	
Grid (AC Input)	Max input power	2300W		4000W	
	Max input current	10A		20A	
	Rated grid voltage	220/230/240Vac (L,N,PE)		220/230/240Vac (L,N,PE)	
	Rated grid frequency	50/60Hz		50/60Hz	
	Acceptable range	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)		170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)	
Battery parameters (Bidirection)	Battery type	Lead-acid		LiFePO ₄ /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)		220/230/240V(L,N,PE)	
	Frequency	50/60Hz		50/60Hz	
	Surge power	3600VA 2s		7200VA 2s	
	THDv (@ linear load)	<3%		<3%	
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)			
Efficiency	Peak efficiency	95%		95%	
	Max. MPPT efficiency	93%		92%	
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%		5%~95%	
	Max. operating altitude	>2000m derating		>2000m derating	
	Standby self-consumption	<10W		<10W	
	Installation type	Wall-mounted		Wall-mounted	
	Cooling mode	Fan cooling		Fan cooling	
	Communication	RS232		RS232/RS485	
	Display	LCD		LCD	
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	350*290*108		350*290*108	
	Net weight (kg)	5.55		6	
	Carton dimensions (L*W*H) (mm)	495*385*165		495*385*165	
	Gross weight (kg)	6.5		7	
	Warranty Period	2 Years			

OFF GRID INVERTER

GPEO Series EU Single Phase

4KL1/6KL1/12KL1

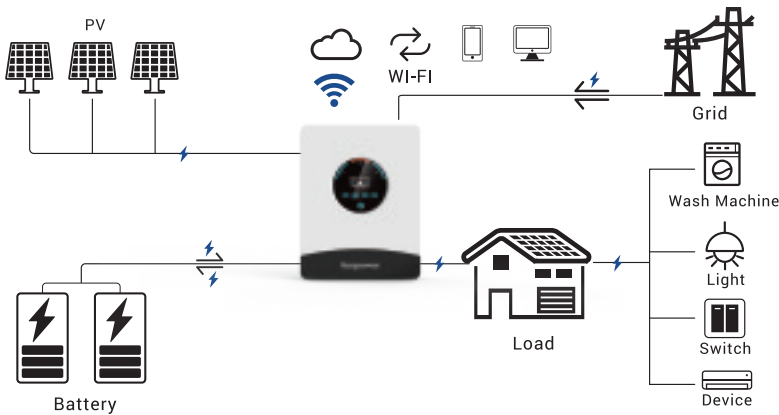
- 
4-12Kw
- 
500V
- 
230V
- 
48V
- 
IP54



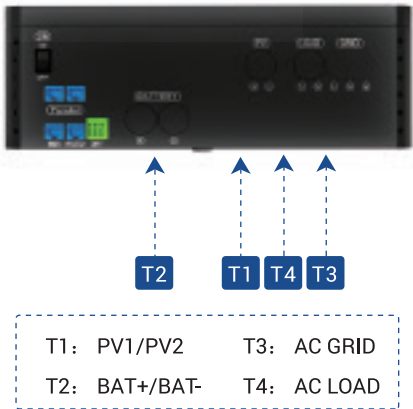
IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
3 Years Warranty

CE EN 62109-1 EN 62109-2 IEC 61000

HOUSE ENERGY SYSTEM (OFF GRID)



CONNECTOR



		GPEO-4KL1	GPEO-6KL1	GPEO-12KL1
PV (DC Input)	Recommended max. PV input power	6000W	8000W	16000W
	Max. input voltage(Voc)	500V	500V	500V
	MPPT operating voltage range	85V-450V (@85V start up)	85V-450V (@85V start up)	85V-450V (@85V start up)
	Number of MPPT	1	1	2
	Max. number of input strings per MPPT	1	2	2
	Max. input current per MPPT	15A	27A	27/27A (MAX:54A)
	Max. short-circuit current per MPPT	18A	35A	37A/37A
Grid (AC Input)	Max input power	6440W	11500W	20700W
	Max input current	28A	50A	90A
	Rated grid voltage	220/230/240Vac	220/230/240Vac	220/230/240Vac
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
	Acceptable range	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)
Battery Parameters (Bidirection)	Battery type	LiFePO 4 /Lead-acid	LiFePO 4 /Lead-acid	LiFePO 4 /Lead-acid
	Battery voltage range	20~30Vdc	40~60Vdc	40~60Vdc
	Rated Battery Voltage	24Vdc	48Vdc	48Vdc
	Max. charge/discharge current	120A/160A	120A/130A	210A/230A
	BMS communication mode	RS485	RS485	RS485
Back-up Output (AC Output)	Rated output power	4000W/4000VA (Twin output)	6000W/6000VA(Twin output)	12000W/12000VA (Twin output)
	Rated output current	18.2A	27.3A	54.5A
	Rated output voltage / Frequency	220/230/240Vac 50/60Hz	220/230/240Vac 50/60Hz	220/230/240Vac 50/60Hz
	Parallel Capacity	-	Max. 12 Units	Max. 12 Units
	Surge power	8000VA 5s	12000VA 5s	24000VA 5s
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency	Peak efficiency	95.00%	98.00%	98.00%
	Max. MPPT efficiency	99.90%	99.90%	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%	5%~95%	5%~95%
	Max. operating altitude	>2000m derating	>2000m derating	>2000m derating
	Standby self-consumption	<10W	<10W	<20W
	Installation type	Wall-mounted	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling	Fan cooling
	Communication	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI
	Display	LCD	LCD	LCD
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	347*445*120	347*445*120	525*630*125
	Net weight (kg)	9.2	12.4	28.5
	Shipping dimensions (L*W*H) (mm)	560*465*240	560*465*240	715*620*210
	Gross weight (kg)	11.4	14.6	32
	Warranty Period	3 Years		

HYBRID INVERTER

GPEX Series EU Single Phase

3K6L1/5KL1/6KL1


3.6-6Kw


550V


230V


48V


IP65



IP65 Design
Natural Cooling
Support LFP & SLA Battery
Max.6 Units Parallel
5/10/15 Years Warranty



EN 50549-1

VDE 4105

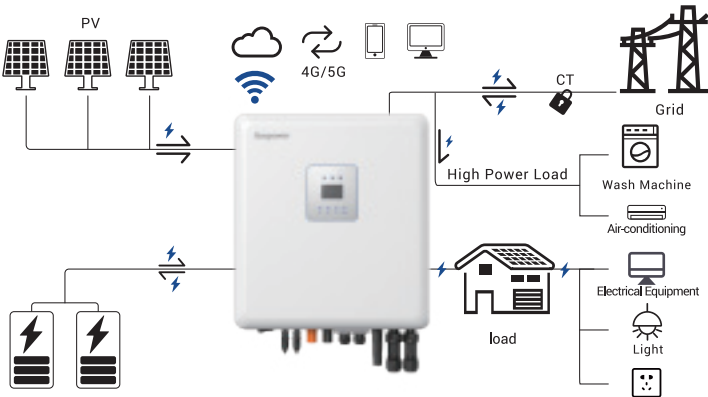
NTs type A

NRS 097-2-1

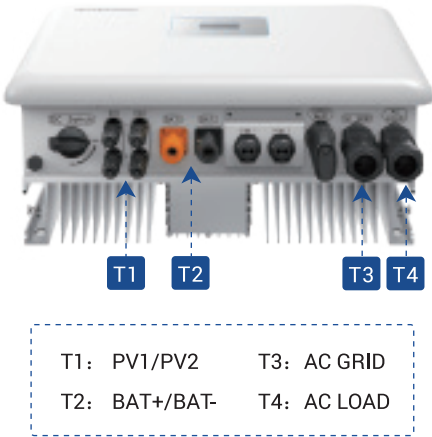
TP C10:11

CEI 0-21

HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



CONNECTOR



		GPEX-3K6L1	GPEX-5KL1	GPEX-6KL1
PV (DC Input)	Recommended max. PV input power	4800W	8000W	8000W
	Max. input voltage(Voc)	580V	580V	580V
	MPPT operating voltage range	120-550V	120-550V	120-550V
	Number of MPPT	1	2	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	13A	13/13A	13/13A
	Max. short-circuit current per MPPT	20A	20A	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	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz
	THDi	<3%	<3%	<3%
	Power factor	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
Battery parameters (Bidirection)	Battery type	SLA &LiFePO ₄	SLA &LiFePO ₄	SLA &LiFePO ₄
	Battery voltage range	40-60V	40-60V	40-60V
	Rated Battery Voltage	48VDC	48VDC	48VDC
	Max. charge/discharge current	50A	100A	100A
	BMS communication mode	485;CAN	485;CAN	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	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz
	Surge power	3960VA	5500VA	6600VA
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	<10ms	<10ms	<10ms
Efficiency	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Max. efficiency	97.20%	98.00%	98.00%
	European efficiency	96.40%	97.10%	97.10%
	Battery charging/discharging efficiency	94.00%	94.00%	94.00%
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	IP65	IP65	IP65
General parameters	Operating temperature range	-25~60℃	-25~60℃	-25~60℃
	Relative humidity range	0~95%	0~95%	0~95%
	Installation type	Wall mounted	Wall mounted	Wall mounted
	Cooling mode	Natural cooling	Natural cooling	Natural cooling
	Communication	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS
	Display	LCD;APP	LCD;APP	LCD;APP
	General parameters			
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	535*485*198.5	535*485*198.5	535*485*198.5
	Net weight (kg)	27.5	29	29
	Carton dimensions (L*W*H) (mm)	715*565*331	715*565*331	715*565*331
	Gross weight (kg)	31.5	34.5	34.5
	Warranty	5 Years Standard (10/15 Years Optional)		

HYBRID INVERTER

GPEX Series EU Three Phase

10KH3/12KH3/15KH3


10-15kW


850V


400V


160-800V


IP65



IP65 Design
Smart Cooling
Support Stackable Battery
Built-In BMS Communication
10 Years Warranty

CE

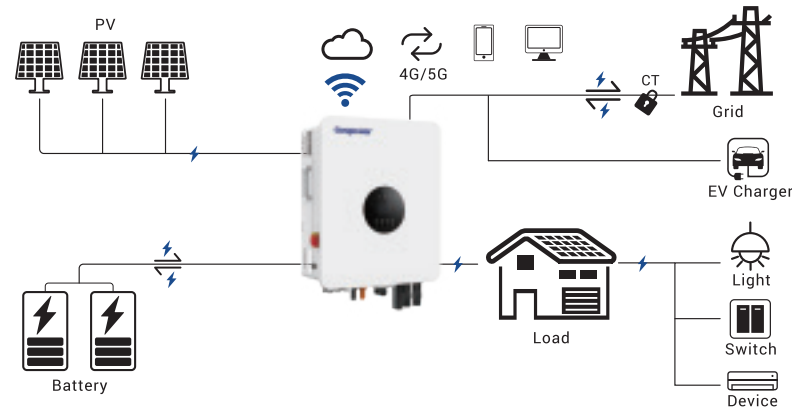
Grid Code

EN 50549-1
NRS 097-2-1

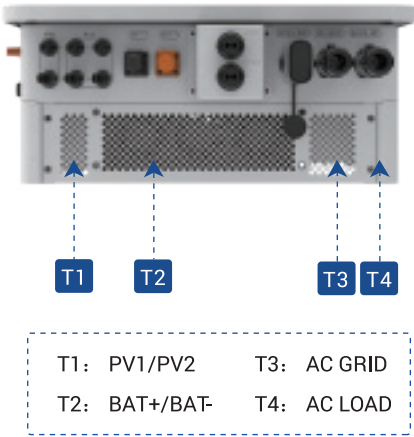
VDE 4105
TP C10:11

NTs type A
CEI 0-21

HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



CONNECTOR



		GPEX-10KH3	GPEX-12KH3	GPEX-15KH3
PV (DC Input)	Recommended max. PV input power	22800W	22800W	22800W
	Max. input voltage(Voc)	1000V	1000V	1000V
	MPPT operating voltage range	200-850V (@200V start up)	200-850V (@200V start up)	200-850V (@200V start up)
	Number of MPPT	2	2	2
	Max. number of input strings per MPPT	1+2	1+2	1+2
	Max. input current per MPPT	15A+30A	15A+30A	15A+30A
	Max. short-circuit current per MPPT	19.5/40A	19.5/40A	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	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz
	THDi	<3%	<3%	<3%
	Power factor	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
Battery parameters (Bidirection)	Battery type	SLA & LiFePO4	SLA & LiFePO4	SLA & LiFePO4
	Battery voltage range	160-800V	160-800V	160-800V
	Rated Battery Voltage	400V	400V	400V
	Max. charge/discharge current	50A	50A	50A
	BMS communication mode	485;CAN	485;CAN	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	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz
	Surge power	11000VA	13200VA	16500VA
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	<10ms	<10ms	<10ms
Efficiency	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Max. efficiency	98.00%	98.00%	98.00%
	European efficiency	97.50%	97.50%	97.50%
	Battery charging/discharging efficiency	97.00%	97.00%	97.00%
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	IP65	IP65	IP65
General parameters	Operating temperature range	-20~60℃	-20~60℃	-20~60℃
	Relative humidity range	10~90%	10~90%	10~90%
	Installation type	Wall mounted	Wall mounted	Wall mounted
	Cooling mode	Smart cooling	Smart cooling	Smart cooling
	Communication	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS
	Display	LCD;APP	LCD;APP	LCD;APP
	Inverter dimensions (L*W*H) (mm)	520*430*200	520*430*200	520*430*200
Mechanical Specifications	Net weight (kg)	29	30	31
	Carton dimensions (L*W*H) (mm)	695*550*340	695*550*340	695*550*340
	Gross weight (kg)	30	31	32
	Warranty	5 Years Standard (10/15 Years Optional)		

OFF GRID INVERTER

GPEO Series US Single Phase

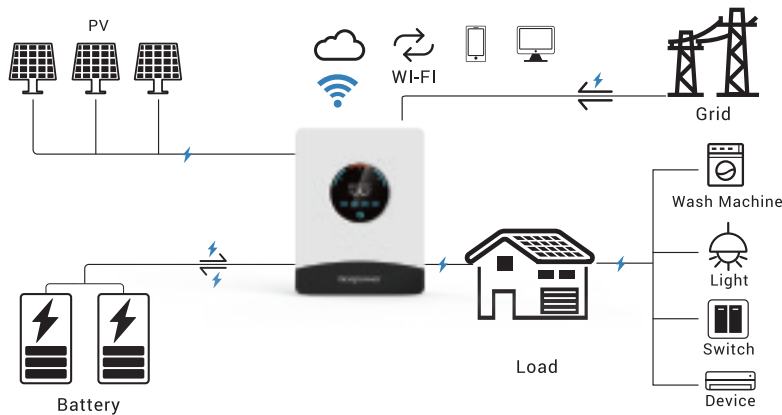
2KL1 -US/ 3K5L1-US

- 
2-3.5Kw
- 
145-500V
- 
120V
- 
24V/48V
- 
IP21/IP54

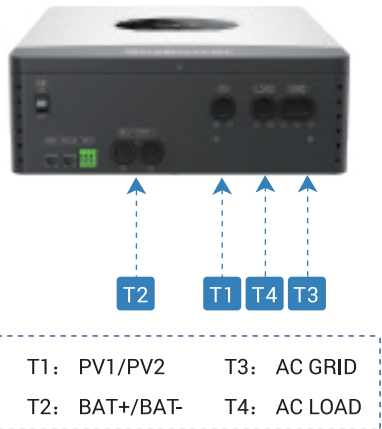
IP21/IP54 Design
Pure Sine Wave
110V/120V
Support Lifepo4 & Lead-acid Battery
2/3 Years Warranty

CE EN 62109-1 EN 62109-2 IEC 61000

HOUSE ENERGY SYSTEM (OFF GRID)



CONNECTOR



GPEO-2KL1-US		GPEO-3K5L1-US	
PV (DC Input)	Recommended max. PV input power	1500W	4000W
	Max. input voltage(Voc)	145V	500V
	MPPT operating voltage range	30~120V (@30V / BAT+6V start up)	85V-450V (@85V start up)
	Number of MPPT	1	1
	Max. number of input strings per MPPT	1	1
	Max. input current per MPPT	30A	15 A
	Max. short-circuit current per MPPT	37.5	18 A
Grid (AC Input)	Max input power	3100W	4500W
	Max input current	26A	37.5A
	Rated grid voltage	110/120/127Vac(L,N)	110/120/127Vac (L,N)
	Rated grid frequency	50/60Hz	50/60Hz
	Acceptable range	80~150Vac(For Home Appliances)	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)
Battery Parameters (Bidirection)	Battery type	LiFePO 4 /Lead-acid	LiFePO 4 /Lead-acid
	Battery voltage range	20-30Vdc	40-60Vdc
	Rated Battery Voltage	24Vdc	48Vdc
	Max. charge/discharge current	120A/110A	60A/70A
	BMS communication mode	RS485	RS485
Back-up Output (AC Output)	Rated output power	2000W/2400VA	3500W/3500VA
	Rated output current	16.5A(active power)/20A(apparent power)	29.2A
	Rated output voltage / Frequency	110/120/127V (L,N) 50/60Hz	110/120/127V (L,N) 50/60Hz
	Parallel Capacity	-	Max. 12 Units
	Surge power	4000W 2S/4800VA 2S	7000VA 5s
	THDv (@ linear load)	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency	Peak efficiency	95.00%	98.00%
	Max. MPPT efficiency	90.00%	99.90%
Protection	Inner protection	√ Output short-circuit protection	√ Output overvoltage protection
	Surge protection	PV: Type III, AC: Type III	
	IP rating	IP 21	IP54
General Parameters	Operating temperature range	-10°C ~ 50°C	-5°C ~ 50°C
	Relative humidity range	10 %~90%	5%~95%
	Max. operating altitude	>2000m derating	>2000m derating
	Standby self-consumption	<20W	<10W
	Installation type	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling
	Communication	RS232/RS485	RS232/RS485/Dry contact/WI-FI
	Display	LCD	LCD
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	350*290*108	347*445*120
	Net weight (kg)	6.0	12
	Shipping dimensions (L*W*H) (mm)	495*385*165	560*465*240
	Gross weight (kg)	7.0	14
	Warranty	2 Years	3 Years

HYBRID INVERTER

GPEX Series US Split Phase

8KH2/10KH2/12KH2/15KH2


8-15kW


550V


120/240V


75-480V


TYPE 4X

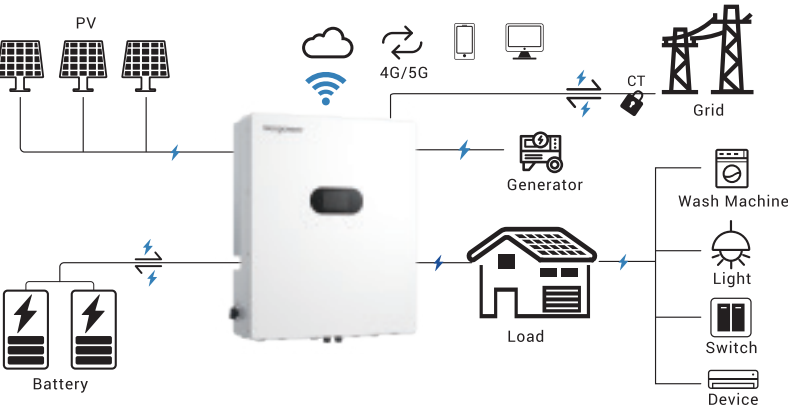


TYPE 4X Design
Natural Cooling
Support Stackable Battery
Generator Port
10 Years Warranty

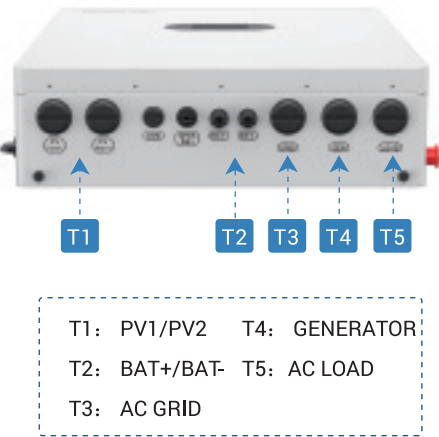

Grid Code

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

HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



CONNECTOR



		GPEX-8KH2	GPEX-10KH2	GPEX-12KH2	GPEX-15KH2
PV (DC Input)	Recommended max. PV input power	14.4kW	14.4kW	20kW	24kW
	Max. input voltage(Voc)	550V	550V	550V	550V
	MPPT operating voltage range	120-550V	120-550V	120-550V	120-550V
	No. of MPPT/Strings per MPPT	4/1	4/1	4/2	4/2
	Max input power per MPPT	3.6KW	3.6KW	5KW	6KW
	Max. input current per MPPT	15.5A	15.5A	27A	27A
	Max. short-circuit current per MPPT	20A	20A	40A	40A
On-grid (Bidirection)	Rated input power (Bidirection)	8kW	10kW	12kW	15kW
	Rated input current (Bidirection)	33.3A	41.6A	50A	62.5A
	Max. Continuous AC input power	20kW	20kW	20kW	20kW
	Max. Continuous AC input current	83.3A	83.3A	83.3A	83.3A
	THDi	<3%	<3%	<3%	<3%
	Rated grid voltage	120/240V,208V (L1, L2, N) 50/60Hz			
	Power factor	0.8leading...0.8lagging			
Battery Parameters (Bidirection)	Battery type	LiFePO ₄			
	Battery voltage range	75-480Vdc			
	Rated Battery Voltage	153.6Vdc	153.6Vdc	204.8Vdc	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: 8kW / 33.3A ; Max.: 19kW/79.2A (On Grid)	Rated: 10kW / 41.6A ; Max.: 19kW/79.2A (On Grid)	Rated: 12kW / 50A ; Max.: 19kW/79.2A (On Grid)	Rated: 15kW / 62.5A ; Max.: 19kW/79.2A (On Grid)
	Rated output voltage(L-N)	120 V (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%	97.00%	97.00%	97.00%
	Max. MPPT efficiency	99.90%	99.90%	99.90%	99.90%
	Battery charging/discharging efficiency	96.00%	96.00%	96.00%	96.00%
Protection	Inner protection	√ DC switch √PV reverse connection protection √ Battery reverse connection protection √ Output short-circuit protection √ Output overvoltage protection √ ARC protection √Insulation impedance detection √ Residual current detection √ Anti-island protection			
	Surge protection	PV: Type III, AC: Type III			
	Enclosure Type	Type 4X			
General Parameters	Operating temperature range	-22°F~-+140°F (No derating below 113° F)			
	Switching time	< 20MS			
	Relative humidity range	>3000m derating			
	Cooling mode	Natural cooling			
	Communication	WIFI / GPRS	WIFI / GPRS	WIFI / GPRS	WIFI / GPRS
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	840*680*200	840*680*200	840*680*200	840*680*200
	Net weight (kg)	58.5	58.5	58.5	58.5
	Shipping dimensions (L*W*H) (mm)	1075*895*365	1075*895*365	1075*895*365	1075*895*365
	Gross weight (kg)	71	71	71	71
	Warranty Period	5 Years Standard (10/15 Years Optional)			

All In One Home Energy System



Flexible Expansion



Multi Input Power Mode
(PV, Grid, Diesel)



WiFi Remote Monitoring



Max 1C Charge and Discharge



IP54 Rating



Easy Installation

GPSO-03KL1-025S1		GPSO-05KL1-050S1		GPSO-10KL1-100S2	
PV (DC Input)					
Recommended max.PV input power	6000W		8000W		16000W
Max.input voltage(Voc)	500V		500V		500V
MPPT operating voltage range	85V-450V(@85V start up)		85V-450V(@85V start up)		85V-450V(@85V start up)
Number of MPPT	1		1		2
Max.number of input strings per MPPT	1		2		2
Max.input current per MPPT	15A		27A		27/27A
Max.short-circuit current per MPPT	18A		35A		35/35A
Grid (AC Input)					
Max input power	6000w		10000W		16000W
Max input current	26A		45A		78A
Rated grid voltage	220/230/240Vac		220/230/240Vac		220/230/240Vac
Rated grid frequency	50/60Hz		50/60Hz		50/60Hz
Acceptable range	170-280Vac(For UPS); 90-280Vac (For Home Appliances)		170-280Vac(For UPS); 90-280Vac (For Home Appliances)		170-280Vac(For UPS); 90-280Vac (For Home Appliances)
Battery Parameters (Bidirection)					
Battery type	LiFePO4		LiFePO4		LiFePO4
Battery voltage range	40~60Vdc		40~60Vdc		40~60Vdc
Max.charge/discharge current	50A/50A		100A/100A		200A/200A
Nominal Battery Energy/pack Quantity	2.56kWh		5. 12kWh		2*5.12kwh
Battery Capacity	50AH		100AH		100AH
Max Parallel Quantity/Energy	4 / 10.24KWH		4 / 20.48KWH		4 / 20.48KWH
Back-up (AC Output)					
Rated output power	3000W/3000VA		5000W/5000VA		10000W/10000VA (Twin output)
Rated output current	13.6A		22.7A		44.5A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz		220/230/240Vac 50/60Hz		220/230/240Vac 50/60Hz
Parallel Capacity	Max.12Units		Max.12Units		Max.12Units
Surge power	6000VA 5s		10000VA 5s		20000VA 5s
THDV(@linear load)	<3%		<3%		<3%
Switching time	10ms typical (For UPS)20ms typical(For Home Appliances)				
Efficiency					
Peak efficiency	95%		98%		98%
Max.MPPT efficiency	99.9%		99.9%		99.9%
Protection					
Inner protection	√Output short-circuit protection √output overvoltage protection				
Surge protection	PV: Type III, AC: Type III				
IP rating	IP54		IP54		IP54
General Parameters					
Operating temperature range	-10℃~55℃		-10℃~55℃		-10℃~55℃
Relative humidity range	5%~95%		5%~95%		5%~95%
Inverter dimensions (L*W*H) (mm)	525*410*190		650*480*190		650*480*190
Inverter weight(kg)	16.2		19		34.8
System dimensions(L*W*H)(mm)	525*410*470		650*480*445.8		650*480*645.8
System weight(kg)	49.5		74.4		139.1
Warranty Period	3 Years		3 Years		3 Years

1000W Portable Power Station



Max. PV Input 800W



Rated Load Capacity 1200W



Cost Effective



Support Multi Devices Charging



Overvoltage Short Circuit Protection



Portable Design

GPSP-010L1-010A1	
PV (DC Input)	
Recommended max.PV input power	800W
Max.input voltage(Voc)	120V
MPPT operating voltage range	25V-110V(@25V 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
DC5521	12V/3A
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	16~22Vdc
Rated Battery Voltage	19.2Vdc
Max.charge/discharge current	40A/80A
BMS communication mode	RS485
Back-up (AC Output)	
Rated output power	1000W/1000VA
Rated output current	4.6A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz or 120Vac 60Hz
Surge power	2000VA 1s
THDV(@linear load)	<3%
Efficiency	
Peak efficiency	>90%
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~55°C
Relative humidity range	5%~95%
Max.operating altitude	>2000m derating
Standby self consumption	<10W
Cooling mode	Fan cooling
Communication	RS232/RS485/Dry contact/WI-FI
Display	LED
Dimension (L*D*H) (mm)	300*205*180
Gross Weight (kg)	12
Warranty Period	3 Years

2800W Portable Power Station



3000Wh High-Capacity



2800W AC Output



Support Charging 10 Devices



Idel Partner
For Your Power Tools



Ultimate Design
for Simpler Use



Multiple
Intelligent Protection

GPSP-028L1-030A1	
PV (DC Input)	
Recommended max.PV input power	1400W
Max.input voltage(Voc)	105V
MPPT operating voltage range	30V-100V(@30V start up)
Number of MPPT	1
Max.number of input strings per MPPT	2
Max.input current per MPPT	25A
Max.short-circuit current per MPPT	35A
Car charge (DC Input)	
Max Input Power	120W ,12V/10A
DC output	
USB-A1/A2/A3	5V/1A, 5V/2A, 5V/5A
USB-C1/C2	5V/5A, 5V/10A
Car Port	12V/5A
Grid (AC Input)	
Max input power	3300W
Max input current	15A
Rated grid voltage	220/230/240Vac
Rated grid frequency	50/60Hz
Acceptable range	170-280Vac(For UPS); 90-280Vac(Fo Home Appliances)
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	27~37Vdc
Rated Battery Voltage	32Vdc
Max.charge/discharge current	50A/125A
BMS communication mode	RS485
Back-up (AC Output)	
Rated output power	2800W/2800VA
Rated output current	22.7A
Rated output voltage/Frequency	220/230/240Vac 50/60Hz
Surge power	6000VA 1s
THDV(@linear load)	<3%
Efficiency	
Peak efficiency	>90%
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
Cooling mode	Fan cooling
Communication	RS232/RS485/Dry contact/WI-FI
Display	LCD
Dimension (L*D*H) (mm)	610*380*525
Gross Weight (kg)	37
Warranty Period	3 Years

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


51.2V


5.12kW


5.12kWh


IP20



CE

UN38.3

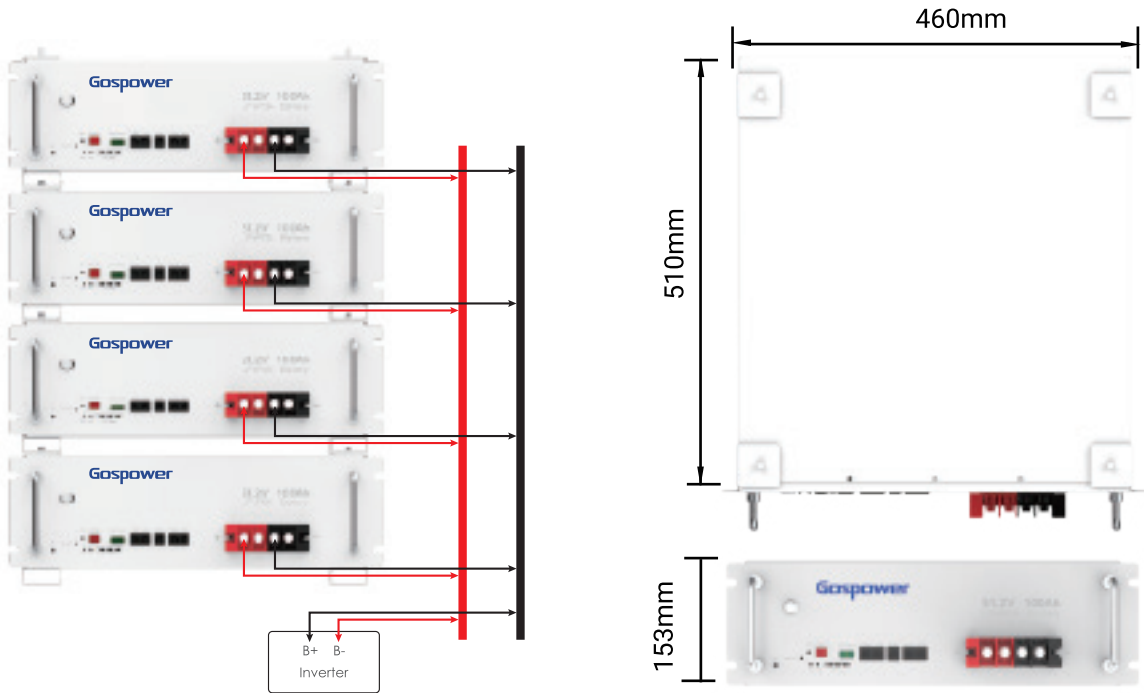
MSDS

IEC62619

- Grade-A LFP cells with a cycle Life of 4000+
- Compatible with mainstream inverter, offering strong adaptability
- Scalable up to 81.92kWh with 16 strings in parallel
- Plug-and-play wiring, easy installation
- IP20 rating plus 5 years warranty
- Smart BMS system to optimize performance

» Specifications

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	> 4000 (@25°C , 80% DOD)
Weight (kg)	48



25.6V 100Ah LV Battery GPLB-24100M


25.6V


2.56kW


2.56kWh


IP20



CE

UN38.3

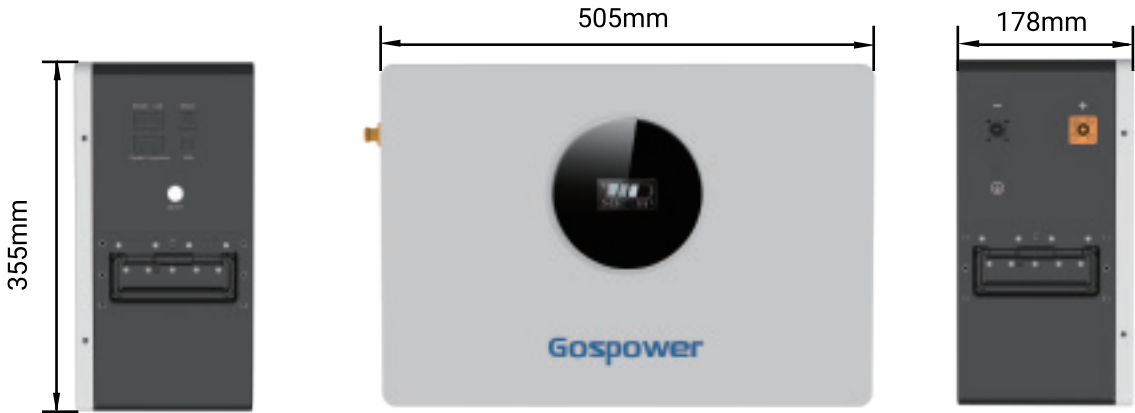
MSDS

IEC62619

- Grade-A LFP cells with a cycle Life of 4000+
- Compatible with mainstream inverter, offering strong adaptability
- Scalable up to 40.96kWh with 16 strings in parallel
- Plug-and-play wiring, easy installation
- IP20 rating plus 5 years warranty
- Smart BMS system to optimize performance
- Supports remote control and upgrades

» Specifications

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	> 4000 (@25°C , 80% DOD)
Weight (kg)	27.7



25.6V 200Ah LV Battery GPLB-24200M


25.6V


5.12kW


5.12 kWh


IP20



CE

UN38.3

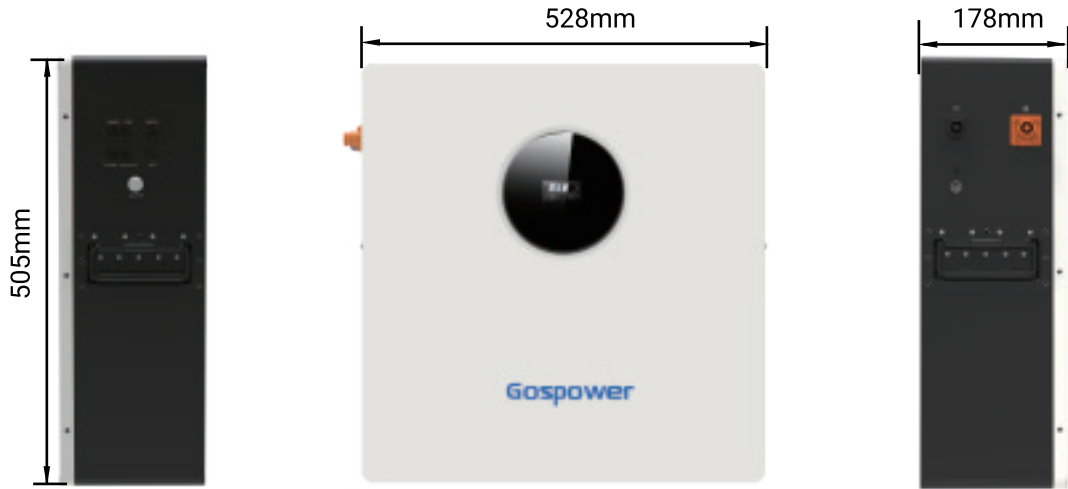
MSDS

IEC62619

- Grade-A LFP cells with a cycle Life of 4000+
- Compatible with mainstream inverter, offering strong adaptability
- Scalable up to 81.92kWh with 16 strings in parallel
- Plug-and-play wiring, easy installation
- IP20 rating plus 5 years warranty
- Smart BMS system to optimize performance
- Supports remote control and upgrades

» Specifications

GPLB-24200M	
Nominal Energy (kWh)	5.12
Nominal Voltage (V)	25.6
Nominal Capacity (Ah)	200
IP Rating	IP 20
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	> 4000 (@25°C , 80% DOD)
Weight (kg)	48.5



51.2V 100Ah LV Battery GPLB-48100M



51.2V



5.12kW



5.12 kWh



IP20



CE

UN38.3

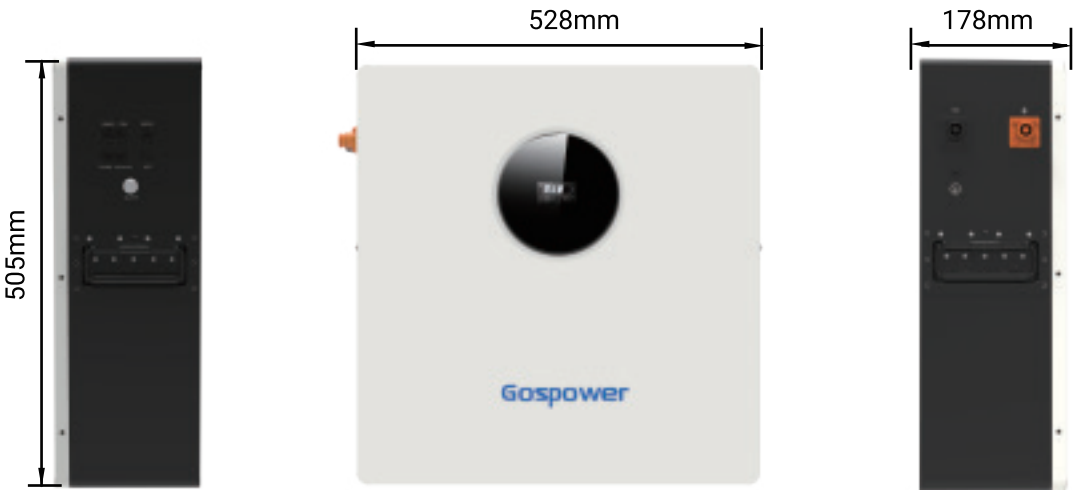
MSDS

IEC62619

» Specifications

GPLB-48100 M	
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	> 4000 (@25°C , 80% DOD)
Weight (kg)	48.5

- Grade-A LFP cells with a cycle Life of 4000+
- Compatible with mainstream inverter, offering strong adaptability
- Scalable up to 81.92kWh with 16 strings in parallel
- Plug-and-play wiring, easy installation
- IP20 rating plus 5 years warranty
- Smart BMS system to optimize performance
- Supports remote control and upgrades



51.2V 200Ah LV Battery GPLB-48200M



51.2V



10.24 kW



10.24 kWh



IP20



CE

UN38.3

MSDS

IEC62619

- Grade-A LFP cells with a cycle Life of 6000+
- Compatible with mainstream inverter, offering strong adaptability
- Scalable up to 163.84kWh with 16 strings in parallel
- Plug-and-play wiring, easy installation
- IP20 rating plus 5 years warranty
- Smart BMS system to optimize performance
- Supports remote control and upgrades

» Specifications

GPLB-48200 M	
Nominal Energy (kWh)	10.24
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



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



51.2V



10.24kW



14.34/16.08kWh



IP20



 UN38.3

 MSDS

 IEC62619

- Grade-A LFP cells with a cycle Life of 6000+
- Compatible with mainstream inverter, offering strong adaptability
- Up to 16 strings in parallel, providing strong scalability
- Plug-and-play wiring, easy installation
- IP20 rating plus 5 years warranty
- Smart BMS system to optimize performance
- Supports remote control and upgrades

» Specifications

	GPLB-48280W	GPLB-48314W
Nominal Energy (kWh)	14.34	16.08
Nominal Voltage (V)	51.2	51.2
Nominal Capacity (Ah)	280	314
IP Rating	IP20	IP20
Output Power (kW)	10.24	16.08
Voltage Range (V)	43.2~58.4	43.2~58.4
Charge Voltage (V)	56.8~58.4	56.8~58.4
Charge Current (A)	150	150
Discharge Current (A)	200	200
Charge Mode	CC-CV	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, 70% DOD)
Weight (kg)	117	120.5



LiFePO₄ STACKED BATTERY

51.2V Series Boosting MAX. to 400Vdc

⚡
200-400V

💧
IP65

Support 2-8 Unit Stack

IP65 Design

1.0-1.6m Stack Height

100-400Vdc Output

CE UN38.3 MSDS IEC62619

Single Module		GPHB-48100S
GPSB-48100H (16S)	Battery type	LiFePO ₄
	Nominal Energy (kWh)	5.12
	Nominal Capacity [Ah]	100
	Nominal Voltage [V]	51.2
	Voltage Range [V]	43.2~58.4
	Operation Temperature	-20°C~45°C@DisCharge 0°C~45°C@charge
	Designed Life	10+ Years
	Cycle Life	More than 6000 Cycles @25°C 80%DOD
	Dimension(L*W*H) (mm)	600*390*158.5
	Weight (kg)	44

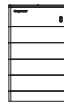
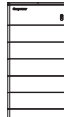
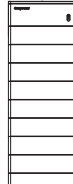
HIGH VOLTAGE STACKABLE BATTERY

 **GPHB-48100S**
Stacked 100-400V 10- 40kWh

» Key Features

- Suitable for both off-grid and hybrid inverters, and protocol match well
- The fault diagnosis and isolating function for battery module protects the system
- Programmable charge and discharge control
- Elegant design, IP Rate: IP65, Plug and Play
- Design Life >10 years @25°C
- Flexible and easy installation
- Multi-level software and hardware protection
- Cycles: More than 6000 cycle life with 80% DOD
- Certificates:CE, TUV, ROHS, UN38.3, IEC62619, MSDS

» Stacked Solution

Parameters							
	GPHB-48100S-2	GPHB-48100S-3	GPHB-48100S-4	GPHB-48100S-5	GPHB-48100S-6	GPHB-48100S-7	GPHB-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	20	20	20	20	20	20
Rated Discharge Current(A)	50	50	50	50	50	50	50
Max. Discharge Current (A)	75	75	75	75	75	75	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 (°C)	0°C~50°C						
Discharge Temperature Range (°C)	-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						

Balcony Storage GPMS-3250B BATTERY



30A



800W



60V



1.6kWh



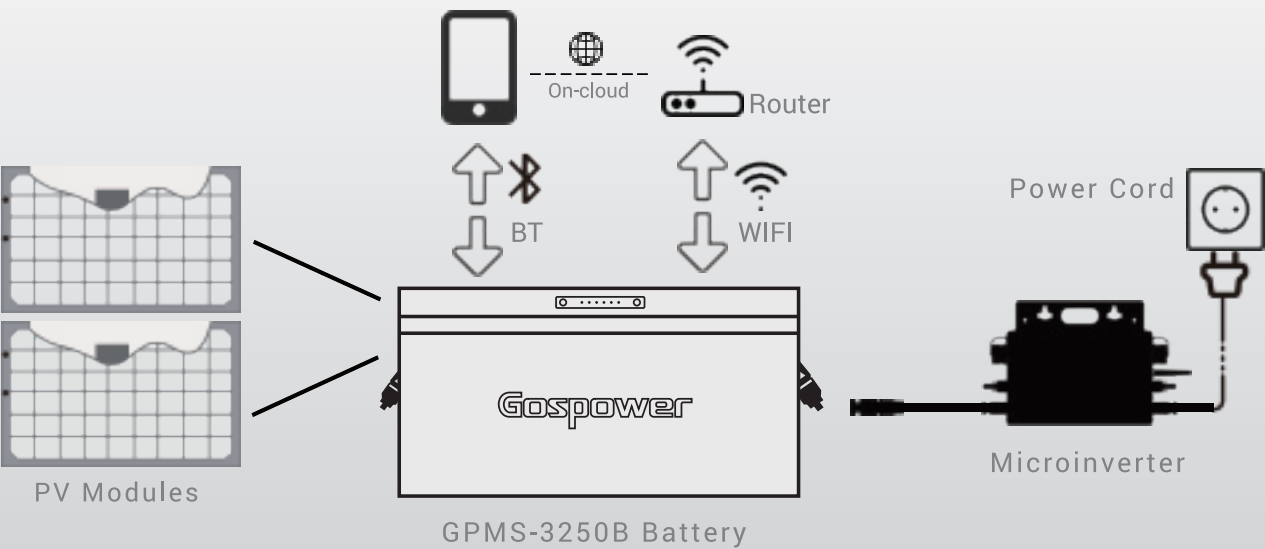
Plug & Play
Portable
10 Years Warranty

CE

UN38.3

MSDS

IEC62619



PLUG & PLAY HOME ESS



Battery GPMS-3250B
Portable 32V 50Ah

» Key Features

- Compatible with 99% balcony solar system
- High capacity 1600Wh
- 8000 charging cycles
- Rated output power up to 800w
- Fast connection, 5 minutes' plug & play
- 15 years lifespan
- IP65 Water/Dust Resistant

» Specifications

Datesheet		Battery GPMS-3250B	
Input Ports	MC4 @ 2 Terminal		
Input Power(Charging)	800W		
Input Current	30A Max		
Input Voltage	20-60Vdc		
Output Data			
Output Ports	MC4 @ 2 Terminal		
Output Power(Discharging)	800W Max		
Output Current	30A Max		
Operating Voltage Range	20-60Vdc		
Mechanical Data			
Capacity	1600Wh		
Battery Type	LiFePO ₄		
Communication	Bluetooth, 2.4GHz WLAN		
Charge Temperature	0°C-50°C		
Discharge Temperature	-20°C-55°C		
Dimension (L*W*H) (mm)	463*285*200		
Net Weight (kg)	21		
Waterproof Rating	IP65		

HYBRID INVERTER MONITORING APP/SOLAR MAN



Wireless Wi-Fi Distribution Network

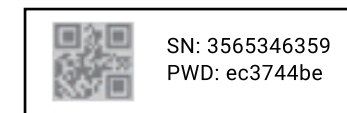
Step 1

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 SOLARMAN 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.

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

OFF GRID INVERTER MONITORING APP/SOLAR OF THINGS



- ▶ **Plug Design, Easy to Install**
- ▶ **External Design, Easier to Replace Faulty Equipment**
- ▶ **End-User Can Monitor at Any Time with Solar of Things**

Wireless Wi-Fi Distribution Network

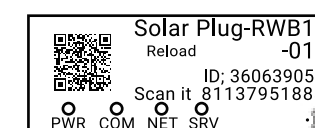
Step 1

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.

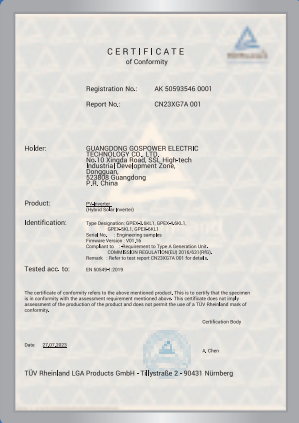


Step 3

Choose a browser to use on the mobile phone, then enter the URL <http://download.app.solar.siseli.com> in the browser and open it, and then select the app store on the pop-up page to download the APP.

CERTIFICATE

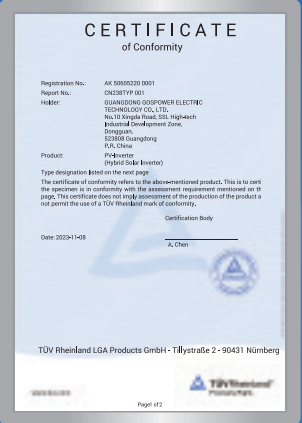
EN50549



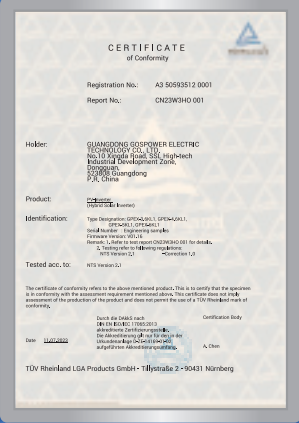
IEC62109



NRS



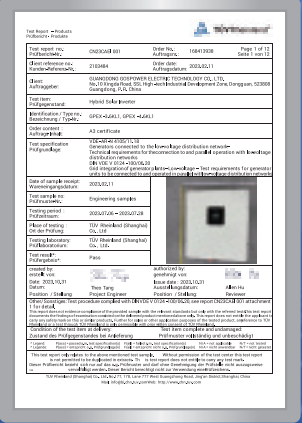
NTS



UN38.3



VDE



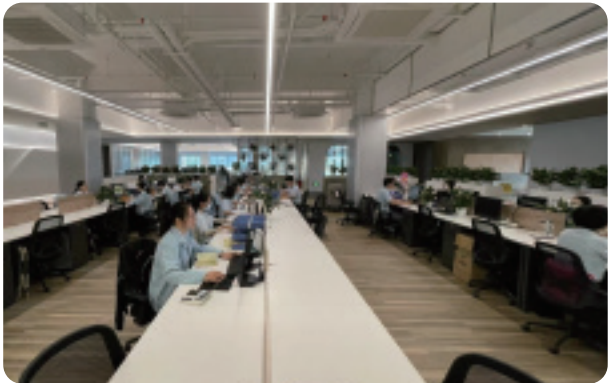
» Business partner



FACTORY



Shenzhen R&D Center



Dongguan Manufacturing Center

MFG



1. PCB Test



2. SMT



3. Auto Plugin



4. Welding



2. EMS Test



1. Aging Test



6. ATE Test



5. Conformal Coating



3. Conduction Pretest



4. High-low Temp. Test



5. Vibration Test



6. Final Inspection

Test

PROJECT CASE



 18KW System in Ethiopia



 12KW System in Nigeria



 36KW System in Nigeria



 12KW System in Iraq



 18KW System in Lebanon



 18KW System in Syria



 36KW System in Burkina Faso



 12KW System in Dubai



 12KW System in Pakistan



 12KW System in Poland