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Ver: 2405



PRODUCT CATALOG

New Energy Application

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

GLOBAL SERVICE CENTERS

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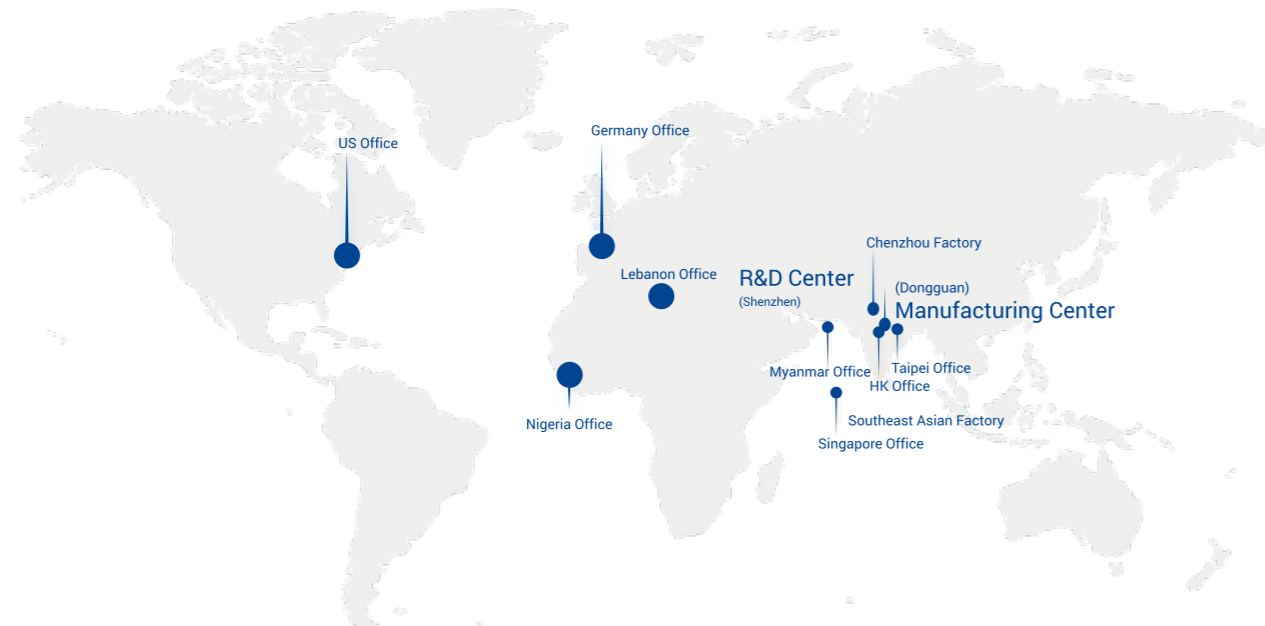
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GOSPOWER PROFILE



Gospower is a leading Energy & Electric company founded in 2006. With 17 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 a sustainable future.

2006
18 Years Experience

80000m²
Modern Industrial Park

400⁺
Engineers

100⁺
Patents

Products Portfolio



Off-grid Inverter



Hybrid Inverter



Hybrid Inverter



LiFePO₄ Battery



HV LiFePO₄ Stacked Battery



Rack mounted Battery



LiFePO₄ Battery



BALCONY STORAGE

OFF GRID INVERTER GPEO Series EU Single Phase

1K8L1-M/3K6L1-M

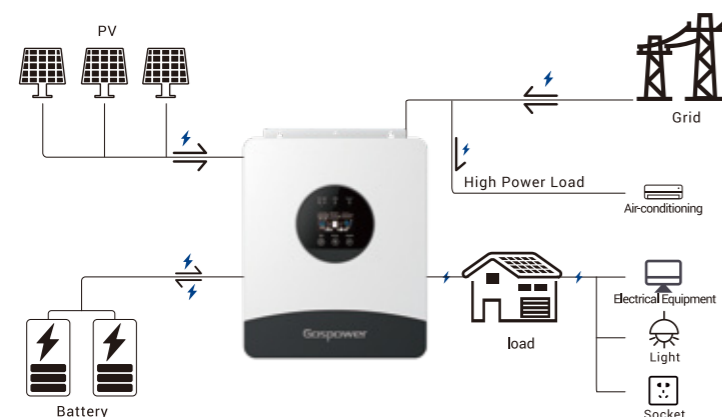
- 
1.8-3.6KVA
- 
100/145V
- 
230V
- 
12/24V
- 
IP21



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



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

		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	17.4A
	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	10V~14.5V	20-30V
	Rate Battery Voltage	12Vdc	24Vdc
	Max. charge/discharge current	100A/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	220/230/240Vac(L,N,PE)	220/230/240Vac(L,N,PE)
	Frequency	50/60Hz	50/60Hz
	Surge power	3600VA 2s	7200VA 2s
	THDv (@ linear load)	<3%	<3%
Efficiency	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
	Peak efficiency	95%	95%
Protection	Max. MPPT efficiency	93%	92%
	Inner protection	√ Output short-circuit protection √ Output overvoltage protection	
	Surge protection	PV: Type III, AC: Type III	
General Parameters	IP rating	IP21	
	Operating temperature range	-10°C ~ 50°C	
	Relative humidity range	5%~95%	10%~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*105
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

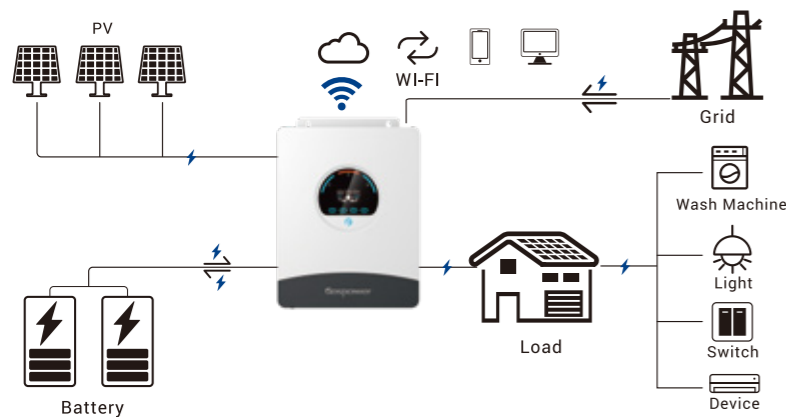
- 
4-12Kw
- 
500V
- 
230V
- 
48V
- 
IP54



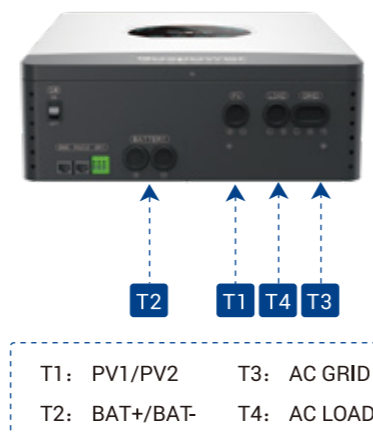
IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
3 Years Warranty

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	4000W	6000W	12000W
	Max. input voltage(Voc)	500V	500V	500V
	MPPT operating voltage range	85V-450V (@85V start up)	85V-450V (@75V start up)	85V-450V (@75V start up)
	Number of MPPT	1	1	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	15A	27A	27/13(MAX:40A)
Grid (AC Input)	Max. short-circuit current per MPPT	18A	35A	35A/17.5A
	Max input power	5000W	11500W	16000W
	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
Battery Parameters (Bidirection)	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 type	LiFePO ₄ /Lead-acid	LiFePO ₄ /Lead-acid	LiFePO ₄ /Lead-acid
	Battery voltage range	20~30Vdc	40~60Vdc	40~60Vdc
	Rate Battery Voltage	24Vdc	48Vdc	48Vdc
	Max. charge/discharge current	120A/160A	120A/130A	210A/230A
Back-up Output (AC Output)	BMS communication mode	RS485	RS485	RS485
	Rated output power	4000W/4000VA	6000W/6000VA	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%
Efficiency	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
	Peak efficiency	95.00%	98.00%	98.00%
Protection	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Inner protection	√ Output short-circuit protection √ Output overvoltage protection		
	Surge protection	PV: Type III, AC: Type III		
General Parameters	IP rating	IP54		
	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
Mechanical Specifications	Communication	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI
	Display	LCD	LCD	LCD
	Inverter dimensions (L*W*H) (mm)	444.7*346.6*120	444.7*346.6*120	630*535*125
	Net weight (kg)	9.2	12.4	27
	Shipping dimensions (L*W*H) (mm)	560*465*240	560*465*240	745*650*240
Warranty Period	Gross weight (kg)	11.4	14.6	30
		3 Years		

HYBRID INVERTER GPEX Series EU Single Phase

3K6L1/5KL1/6KL1

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

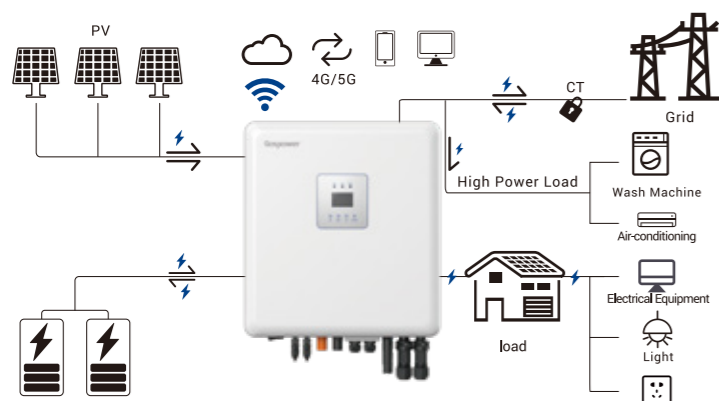


IP65 Design, Natural Cooling
Support LFP & SLA Battery
Max.6 Units Parallel
5/10/15 Years Warranty



 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



T1: PV1/PV2 T3: AC GRID
 T2: BAT+/BAT- T4: AC LOAD

		GPEX-3K6L1	GPEX-5KL1	GPEX-6KL1
PV (DC Input)	Recommended max. PV input power	4800W	8000W	8000W
	Max. input voltage(Voc)	600V	600V	600V
	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	5000W	6000W
	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°C	-25~60°C	-25~60°C
	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
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

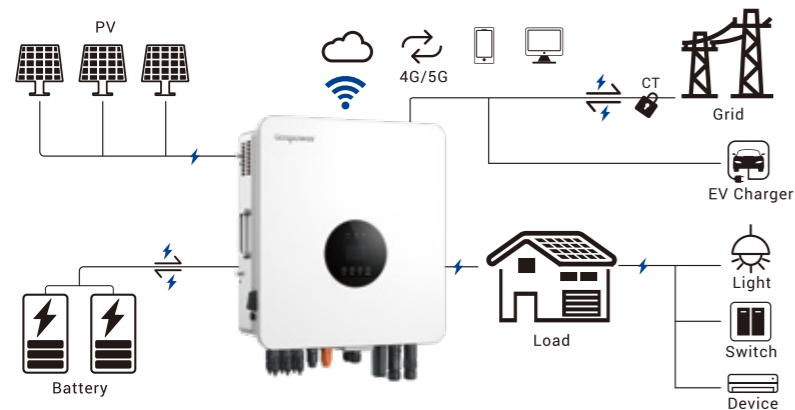
- 
10-15kW
- 
850V
- 
400V
- 
160-800V
- 
IP65



IP65 Design, Smart Cooling
Support Stackable Battery
Built-In BMS Communication
5/10/15 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)



CONNECTOR



T1: PV1/PV2 T3: AC GRID
 T2: BAT+/BAT- T4: AC LOAD

		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	12000W	15000W
	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%
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°C	-20~60°C	-20~60°C
	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
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	480*425*202	480*425*202	480*425*202
	Net weight (kg)	25	26	27
	Carton dimensions (L*W*H) (mm)	637*545*326	637*545*326	637*545*326
	Gross weight (kg)	29	30	31
Warranty	5 Years Standard (10/15 Years Optional)			

OFF GRID INVERTER GPEO Series US Single/Split Phase

3K5L1-US/6KL2-US/12KL2-US

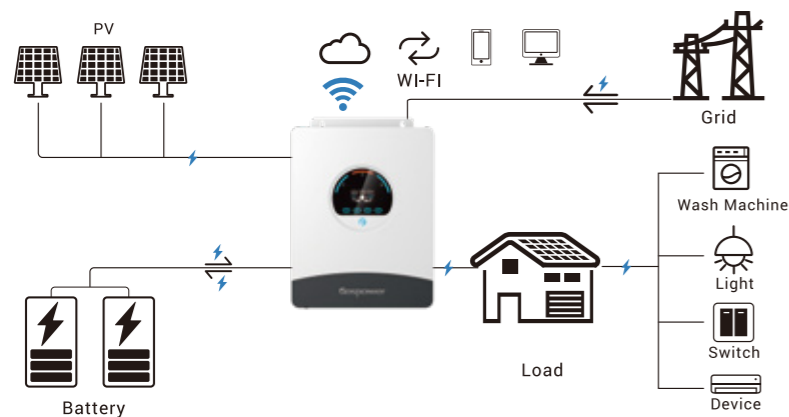
- 3.5-12Kw
- 500V
- 120/240V
- 48V
- IP54



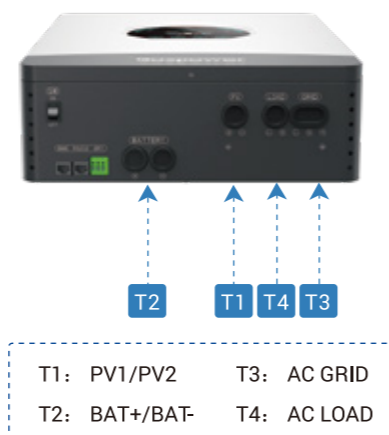
IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
3 Years Warranty

CE EN 62109-1 EN 62109-2 IEC 61000

HOUSE ENERGY SYSTEM (OFF GRID)



CONNECTOR



		GPEO-3K5L1-US	GPEO-6KL2-US	GPEO-12KL2-US
PV (DC Input)	Recommended max. PV input power	4000W	6000W	12000W
	Max. input voltage(Voc)	500V	500V	500V
	MPPT operating voltage range	85V-450V (@75V start up)	85V-450V (@75V start up)	85V-450V (@75V start up)
	Number of MPPT	1	1	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	18A	27A	27/13(MAX:40A)
Grid (AC Input)	Max. short-circuit current per MPPT	22A	35A	37A/17.5A
	Max input power	6000W	12000W	24000W
	Max input current	50A	50A	100A
	Rated grid voltage	110/120/127Vac (L,N)	120/240,208Vac(L1,L2,N)	120/240,208Vac(L1,L2,N)
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
Battery Parameters (Bidirection)	Acceptable range	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)
	Battery type	LiFePO ₄ /Lead-acid	LiFePO ₄ /Lead-acid	LiFePO ₄ /Lead-acid
	Battery voltage range	40-60Vdc	40-60Vdc	40-60Vdc
	Rate Battery Voltage	48Vdc	48Vdc	48Vdc
Back-up Output (AC Output)	Max. charge/discharge current	60A/65A	120A/130A	210A/230A
	BMS communication mode	RS485	RS485	RS485
	Rated output power	3500W/3500VA	6000W/6000VA	12000W/12000VA
	Rated output current	31.8A	27.3A	54.5A
	Rated output voltage / Frequency	110/120/127V (L,N) 50/60Hz	120/240V (L1,L2,N) 50/60Hz	120/240V (L1,L2,N) 50/60Hz
	Parallel Capacity	Max. 12 Units	Max. 12 Units	Max. 12 Units
	Surge power	7000VA 5s	12000VA 5s	24000VA 5s
Efficiency	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Protection	Peak efficiency	98.00%	98.00%	98.00%
	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Inner protection	√ Output short-circuit protection √ Output overvoltage protection		
General Parameters	Surge protection	PV: Type III, AC: Type III		
	IP rating	IP54		
	Operating temperature range	-10°C ~ 55°C		
Mechanical Specifications	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
	Inverter dimensions (L*W*H) (mm)	444.7*346.6*120	444.7*346.6*120	630*535*125
Net weight (kg)	12	15	28	
Warranty	Shipping dimensions (L*W*H) (mm)	560*465*240	560*465*240	745*650*240
	Gross weight (kg)	14	17	31
	Warranty	3 Years		

HYBRID INVERTER GPEX Series US Split Phase

8KH2/10KH2/12KH2/15KH2

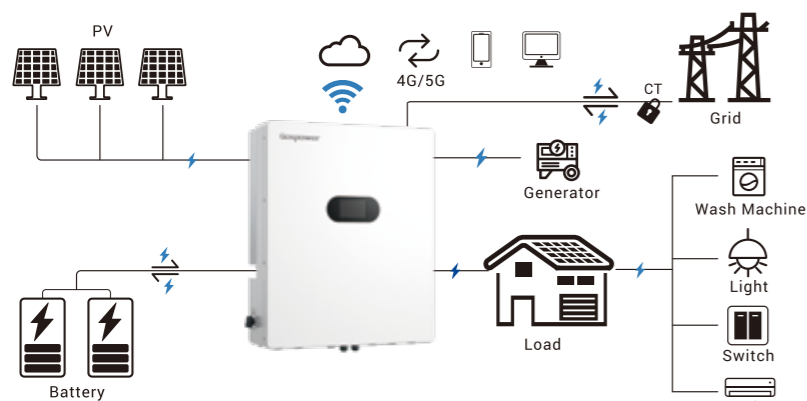
8-15kW 550V 120/240V 75-480V TYPE 4X



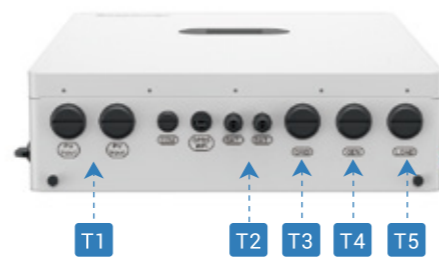
TYPE 4X Design, Natural Cooling
Support Stackable Battery
Generator Port
5/10/15 Years Warranty

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

HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



CONNECTOR



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

		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	10ms typical (On grid/off grid switch)			
	Relative humidity range	>3000m derating			
	Cooling mode	Natural cooling			
	Communication	WIFI/BLUETOOTH	WIFI/BLUETOOTH	WIFI/BLUETOOTH	WIFI/BLUETOOTH
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	840*680*200	840*680*200	840*680*200	840*680*200
	Net weight (kg)	55	55	55	55
	Shipping dimensions (L*W*H) (mm)	1075*895*365	1075*895*365	1075*895*365	1075*895*365
	Gross weight (kg)	65	65	65	65
	Warranty Period	5 Years Standard (10/15 Years Optional)			

25.6V 8S LiFePO₄ BATTERY

Wall-Mounted 2.56kWh

- 25.6V
- 2.56kW
- 2.56kWh
- IP20



Ultra-thin
Smart Connection
High Density
10 Years Warranty
Built-in BMS Communication

CE UN38.3 MSDS IEC62619

Energy Solution

Up to 40.96kWh

Maximum 16 units parallel
Automatic address allocation, parallel easier



ENERGY STORAGE BATTERY

GPLB-24100M
Wall mounted 25.6V 100Ah

» Key Features

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

» Package Info



Product Size

480*425*200





Packing Size

530*475*250

» Specifications

GPLB-24100M	
Nominal Energy (kWh)	2.56
Nominal Voltage (V)	25.6
Nominal Capacity (Ah)	100
IP Rating	IP 20
Output Power (kW)	2.56
Voltage Range (V)	21.6~29.2
Charge Voltage (V)	28.4~29.2
Charge Current (A)	100
Discharge Current (A)	100
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 50 °C
Discharge Temperature	-20°C~55°C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C , 80% DOD)
Weight (kg)	23

51.2V 16S LiFePO₄ BATTERY Wall-Mounted 10kWh

- 
51.2V
- 
5.12kW
- 
10.24kWh
- 
IP20

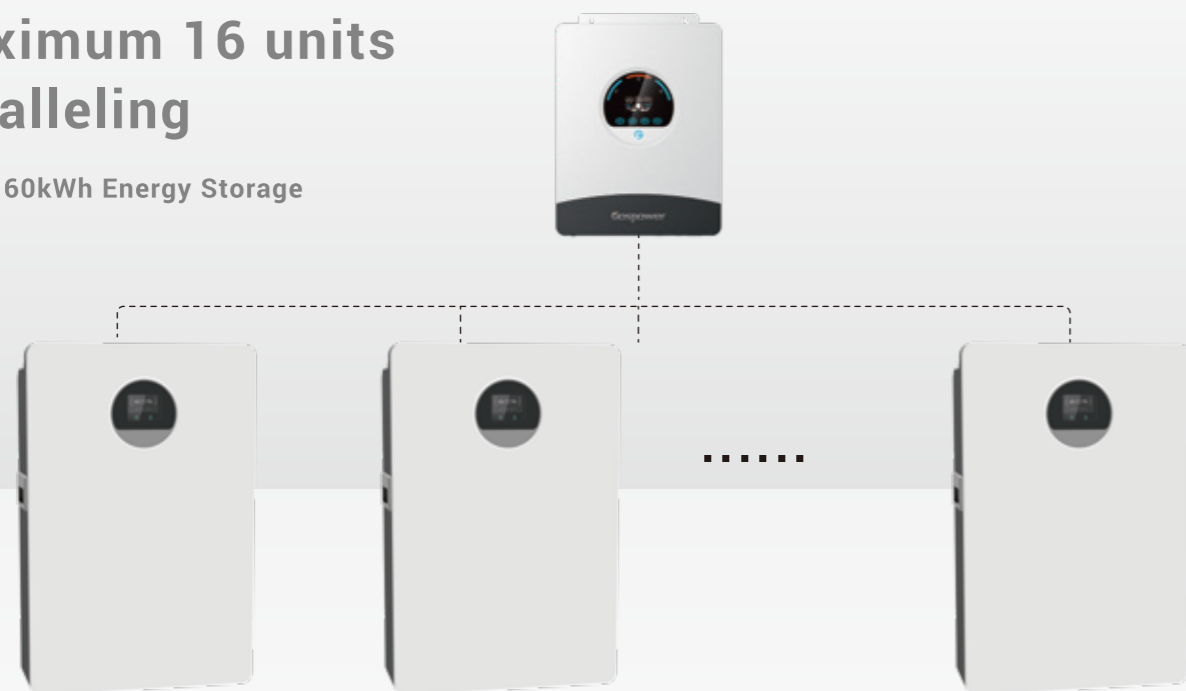


Ultra-thin
Smart Connection
High Capacity
10 Years Warranty

CE UN38.3 MSDS IEC62619

Maximum 16 units Paralleling

Up to 160kWh Energy Storage



ENERGY STORAGE BATTERY

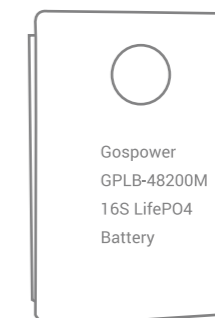


GPLB-48200M
Wall-mounted 51.2V 200Ah

» Key Features

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

» Package Info



Product Size
535*485*200





Packing Size
585*535*250

» Specifications

	GPLB-48200M
Nominal Energy (kWh)	10.24
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	200
IP Rating	IP 20
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
Charge Temperature	0 - 55 °C
Discharge Temperature	-20 - 55 °C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C, 80% DOD)
Weight (kg)	45

51.2V 16S LiFePO₄ BATTERY

Wheeled 15kWh

- 
51.2V
- 
7.68kW
- 
15.36kWh
- 
IP20



Moveable
Smart Connection
High Capacity
10 Years Warranty

CE UN38.3 MSDS IEC62619

Energy Solution

Up to 240kWh

Maximum 16 units parallel
Automatic address allocation, parallel easier



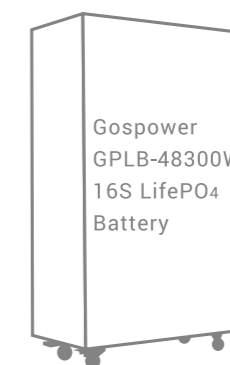
ENERGY STORAGE BATTERY

GPLB-48300W
Wheeled 48V 300Ah

» KEY FEATURES

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

» PACKAGE INFO






- Product Size**
770*500*250mm
- Packing Size**
910*560*445mm
- Gross weight**
123kg

» Specifications

GPLB-48300W	
Nominal Energy (kWh)	15.36
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	300
IP Rating	IP 20
Output Power (kW)	7.68
Voltage Range (V)	44.8~58.4
Charge Voltage (V)	55.2~58.4
Charge Current (A)	100
Discharge Current (A)	150
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 55 °C
Discharge Temperature	-20 - 60 °C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C, 80% DOD)
Weight (kg)	123

51.2V 16S LiFePO₄ BATTERY

Wheeled 10kWh

- 
51.2V
- 
7.68kW
- 
10.24kWh
- 
IP20



Moveable
Smart Connection
High Capacity
10 Years Warranty

CE UN38.3 MSDS IEC62619

Energy Solution

Up to 160kWh

Maximum 16 units parallel
Automatic address allocation, parallel easier



ENERGY STORAGE BATTERY

GPLB-48200W
Wheeled 48V 200Ah

» Key Features

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

» Package Info



- Product Size**
750*485*194mm
- Packing Size**
930*565*400mm
- Gross weight**
92kg

» Specifications

GPLB-48200W (Customized)	
Nominal Energy (kWh)	10.24
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	200
IP Rating	IP 20
Output Power (kW)	7.68
Voltage Range (V)	44.8~58.4
Charge Voltage (V)	55.2~58.4
Charge Current (A)	100
Discharge Current (A)	150
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 55 °C
Discharge Temperature	-20 - 60 °C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C , 80% DOD)
Weight (kg)	92

LifePO₄ RACK MOUNTED BATTERY

48V/51.2V Paralleling for 20U/33U Cabinet



48V



4.8/5.12kWh



20/33U



UN38.3

MSDS

IEC62619



» Single Module

Single Battery Module	GPRB-48100P (16S)	GPEB-48100P-A (15S)
Battery type	LiFePO ₄	LiFePO ₄
Nominal Energy (kWh)	5.12	4.8
Nominal Voltage (V)	51.2	48
Nominal Capacity (Ah)	100	100
Voltage Range (V)	43.2~58.4	40.5~54.7
Charge Voltage (V)	56.8-58.4	53.2~54.7
Charge Current (A)	50	
Discharge Current [A]	100	
Communication	CAN/ RS485/ RS232	
Charge Temperature	0°C~50°C	
Discharge Temperature	-20°C~55°C	
Designed Life	10+ Years	
Cycle Life	> 6000 (@25°C , 80% DOD)	
Weight (kg)	44	42

ENERGY STORAGE BATTERY



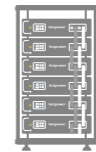

GPRB-48100P

Rack mounted 51.2V/48V 20-40kWh

» 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
- Flexibly 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

» Embedded Solution

Parameters	GPRB-20U6P Solution	GPRB-33U10P Solution
Battery module quantity		
Nominal Energy (kWh)	30.72	51.2
Nominal Voltage	51.2/48	51.2
Battery Module	GPRB-48100 / GPRB-48100-A	GPRB-48100 / GPRB-48100-A
Max. number of battery module (PCS)	6	10
Nominal Capacity (Ah)	600	1000
Voltage Range (V)	43.2~58.4	43.2~58.4
Charge Voltage (V)	56.8-58.4	56.8-58.4
Charge/discharge Current (A)	100~400	100~700
Environment Parameter		
Cooling Mode	Natural cooling (Fanless)	
Charge Temperature Range (°C)	0°C~50°C	
Discharge Temperature Range (°C)	-20°C~55°C	
Others		
Connection Port	Top and Bottom	
Communication	CAN/ RS485/ RS232/ Dry Contact	
Safety & Certification	UN38.3、IE62619	
Designed Life	10+ Years	
Dimension (L*W*H)	1000*600*600mm (20U)	1686*600*600mm (33U)
Weight (kg)	300 (20U)	480 (33U)

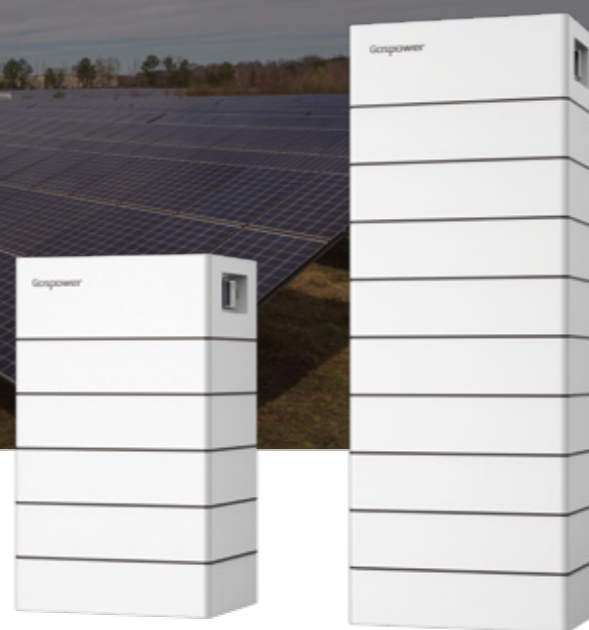
LiFePO₄ STACKED BATTERY

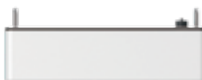
51.2V Series Boosting MAX. to 400Vdc

⚡ 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	GPSB-48100H	
 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




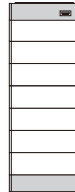
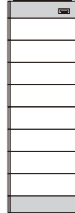
HIGH VOLTAGE STACKABLE BATTERY

 **GPSB-48100H**
 Stacked 200-400V 20-40kWh





» Key Features

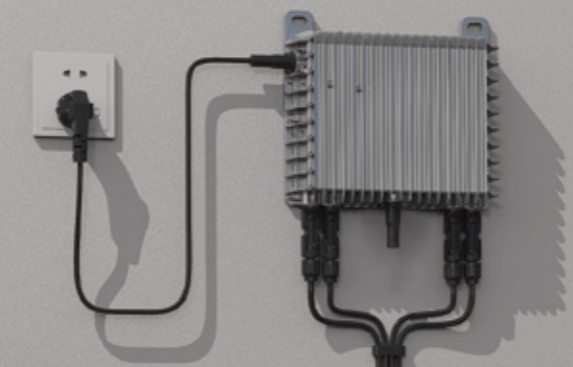
- Suitable for both off-grid and hybrid inverters, and protocol match well
- The fault diagnosis and isolating function for battery module protects the system
- Programmable charge and discharge control
- Elegant design, IP Rate: IP65, Plug and Play
- Design Life >10 years @25°C
- Flexible and easy installation
- 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	GPSB-48100-4S	GPSB-48100-5S	GPSB-48100-6S	GPSB-48100-7S	GPSB-48100-8S
Battery module quantity					
Battery module energy (kWh)	20.48	25.60	30.72	35.84	40.96
Module Number	4	5	6	7	8
Rated Voltage (V)	204.8	256	307.2	358.4	409.6
Voltage Range (V)	172.8-233.6	216-292	259.2-350.4	302.4-408.8	345.6-467.2
Charge Current (A)	20	20	20	20	20
Max. Discharge Current (A)	50	50	50	50	50
Dimension:(W*D*H)	600*390*985	600*390*1138	600*390*1291	600*390*1444	600*390*1597
Weight (kg)	196	240	284	328	372
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, UL1973				
Transportation	UN38.3				

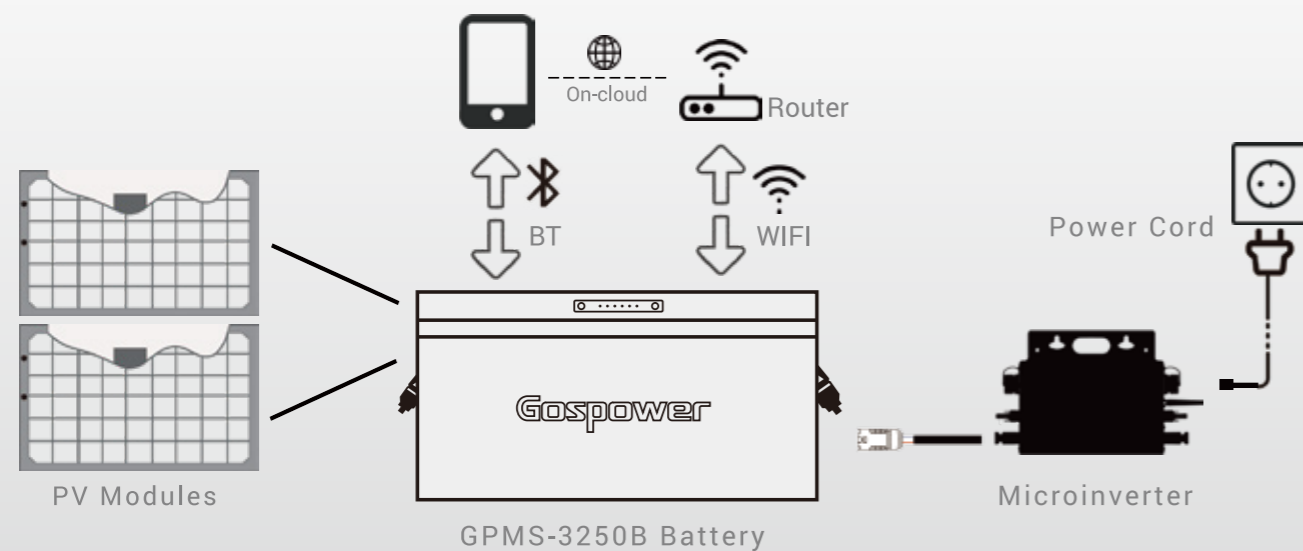
Balcony Storage GPMS-3250B BATTERY

- 
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

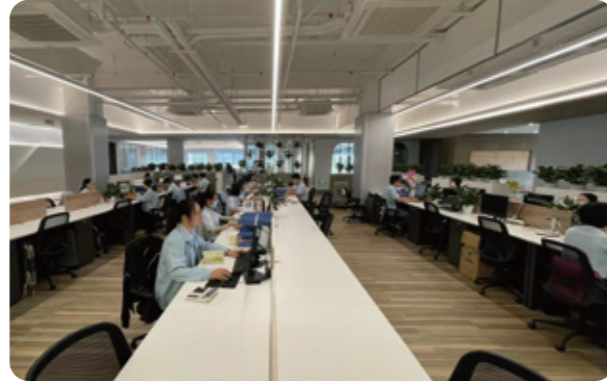
» Specifications

Datesheet	Battery GPMS-3250B
Input Ports	MC4 @ 2 Terminal
Solar Recharge Input	800W
Input Current	30A Max
Operating Voltage Range	20-60Vdc
Output Data	
Output Ports	MC4 @ 2 Terminal
Standard Rated Power Output	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
Dimensions (L*W*H) (mm)	463*285*200
Net Weight (kg)	21
Ingress Protection	IP65

FACTORY



Shenzhen R&D Center



Dongguan Manufacturing Center

MFG



1. PCB Test



2. SMT



3. Auto Plug-in



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

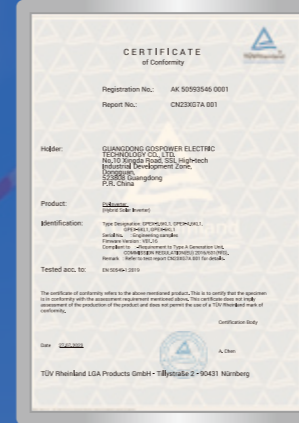


6. Final Inspection

Test

CERTIFICATE

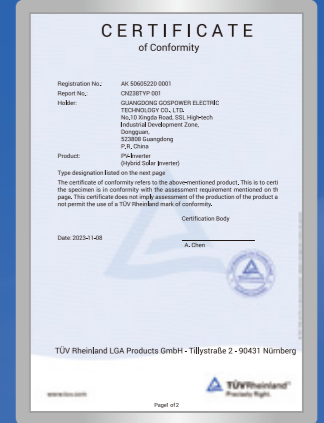
EN50549



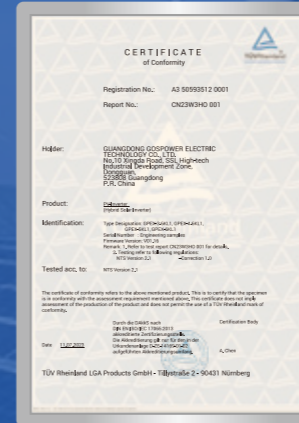
IEC62109



NRS



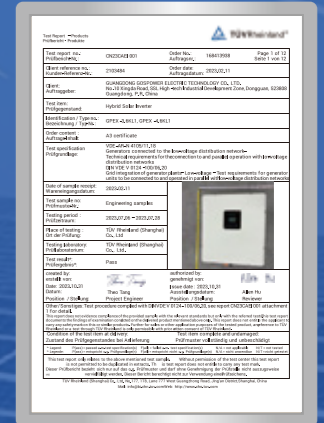
NTS



UN38.3



VDE



» Business partner



PROJECT CASE



12KW System in Yangon Myanmar 🇲🇲



12KW System in Lebanon 🇱🇧



12KW System in Nigeria 🇳🇮



12KW System in Mexico 🇲🇽



36KW System in Burkina Faso 🇸🇩



18KW System in Lebanon 🇱🇧



24KW System in Philippines 🇵🇭



72KW System in Yangon, Myanmar 🇲🇲