

OFF GRID INVERTER
GPEO Series EU Single Phase

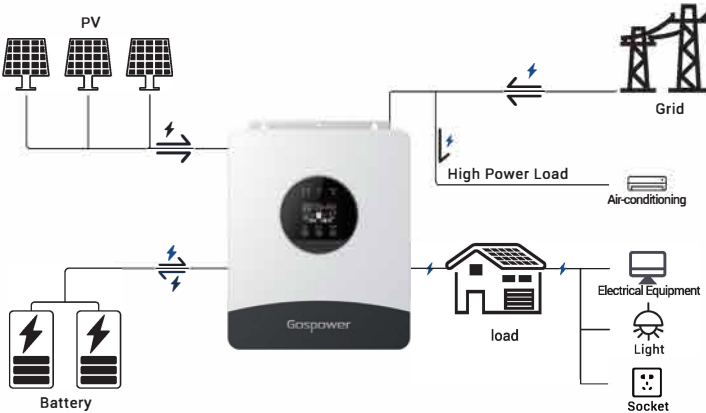
1K8L1-M/3K6L1-M

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

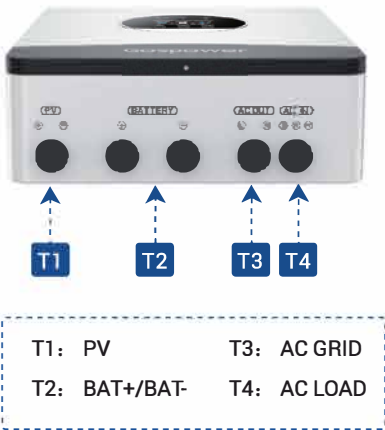
IP21 Design
Pure Sine Wave
Support LFP & SLA Battery
2 Years Warranty

CE EN 62109-1 EN 62109-2 I EC 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		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	LiFePO4/Lead-acid		LiFePO4/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/1500VA		3000W/3000VA	
	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%	
	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*105		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			