

OFF GRID INVERTER GPEO Series EU Single Phase

GPEO-1K8L1-M/3K6L1-M



1.8-3.6KW



130/145V



230V



12/24V



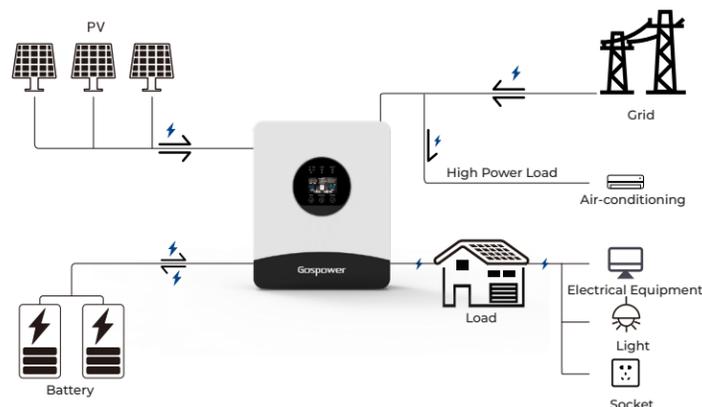
IP21



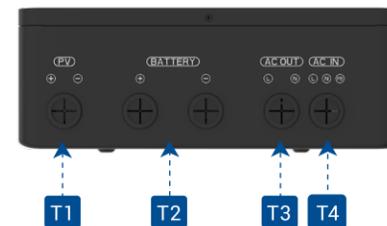
IP21 Design
Pure Sine Wave
Support LFP & SLA Battery
2 Years Warranty

CE EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM(OFF GRID)



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	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	4600W
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	LiFePo4/Lead-acid	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)	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	IP21
General Parameters		
Operating temperature range	-10°C~ 50°C	-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)	5.5	6
Carton dimensions (L*W*H)(mm)	495*385*165	495*385*165
Gross weight (kg)	6.5	7
Warranty Period	2 Years	2 Years