

OFF GRID INVERTER GPEO Series EU Single Phase

1K8L1-M/3K6L1-M

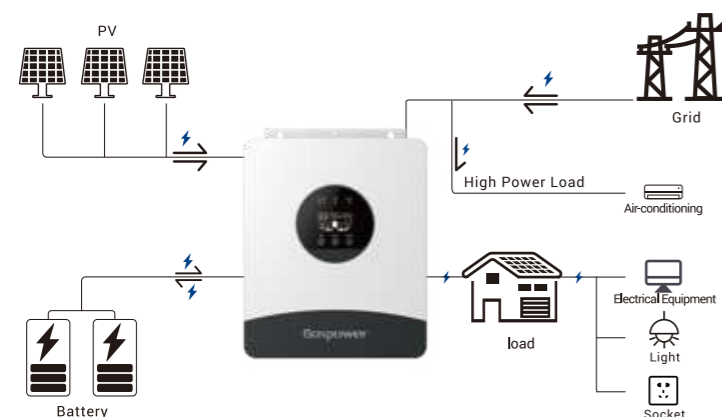
- 
1.8-3.6KVA
- 
100/145V
- 
230V
- 
12/24V
- 
IP21



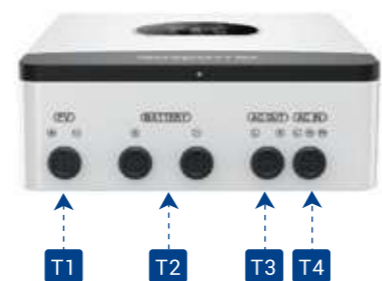
IP21 Design
Pure Sine Wave
Support LFP & SLA Battery
2 Years Warranty

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%	
	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%	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	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			