

OFF GRID INVERTER GPEO Series US Split Phase

GPEO-08KL2-US

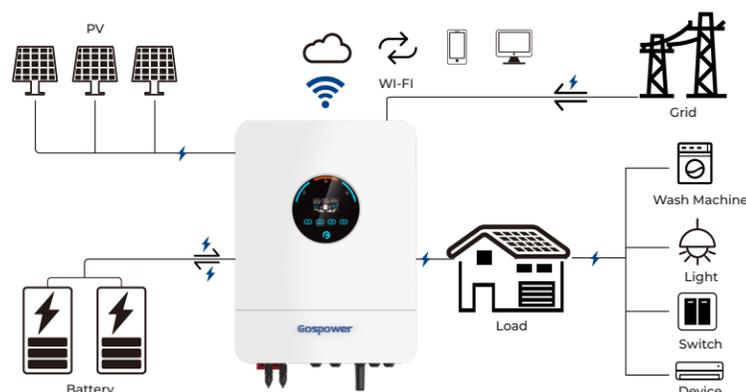
- 
8kW
- 
500V
- 
120V/240V
- 
48V
- 
IP65



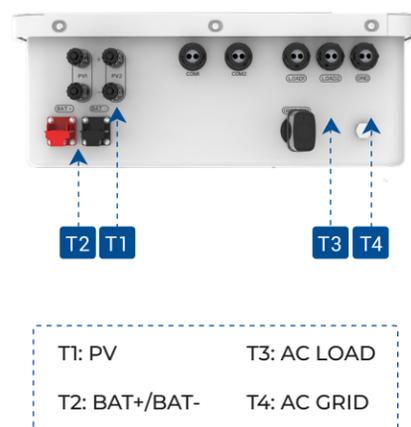
IP65 Design
Pure Sine Wave
120V/240V
Support LiFePO4 & Lead-acid
Battery
5 Years Warranty

CE EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM(OFF GRID)



CONNECTOR



GPEO-08KL2-US	
PV(DC Input)	
Recommended max. PV input power	16000W
Max.input voltage(Voc)	500V
MPPT operating voltage range	85V-450V (@ 85V start up)
Number of MPPT	2
Max. number of input strings per MPPT	2
Max. input current per MPPT	27/27A(MAX:54A)
Max. short-circuit current per MPPT	32A/32A
Grid(AC Input)	
Rated input power	16000W
Rated input current	70A
Rated grid voltage	120/240Vac,127/220Vac(L1,L2,N)
Rated grid frequency	50/60Hz
Acceptable range	90-140Vac (For UPS); 80-140Vac (For Home Appliances)
Battery parameters (Bidirection)	
Battery type	LiFePO4 /Lead-acid
Battery voltage range	40-60Vdc
Rated Battery Voltage	48Vdc
Max. charge/discharge current	150A/170A
BMS communication mode	RS485/CAN
Back-up Output (AC Output)	
Rated output power	8000W / 8000VA
Rated output current	36.4A
Rated output voltage/Frequency	120/240,127/220V(L1,L2,N),60Hz
Parallel Capacity	Split-phase Max. 9 units; Three-phase Max. 9 units
Surge power	16000VA 5s
THDv (@ linear load)	<3%
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)
Efficiency	
Max. efficiency	98.00%
Max. MPPT efficiency	99.90%
Protection	
Inner protection	√ Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP65
General Parameters	
Operating temperature range	-5°C~ 50°C
Relative humidity range	5-95%
Installation type	Wall-mounted
Cooling mode	Smart cooling
Communication	RS232/RS485/Dry contact/WIFI
Display	LCD
Mechanical Specifications	
Inverter dimensions (L*W*H)(mm)	598.8*454*217.2
Net weight (kg)	20.5
Carton dimensions (L*W*H)(mm)	765*555*313
Gross weight (kg)	25
Warranty Period	5 Years