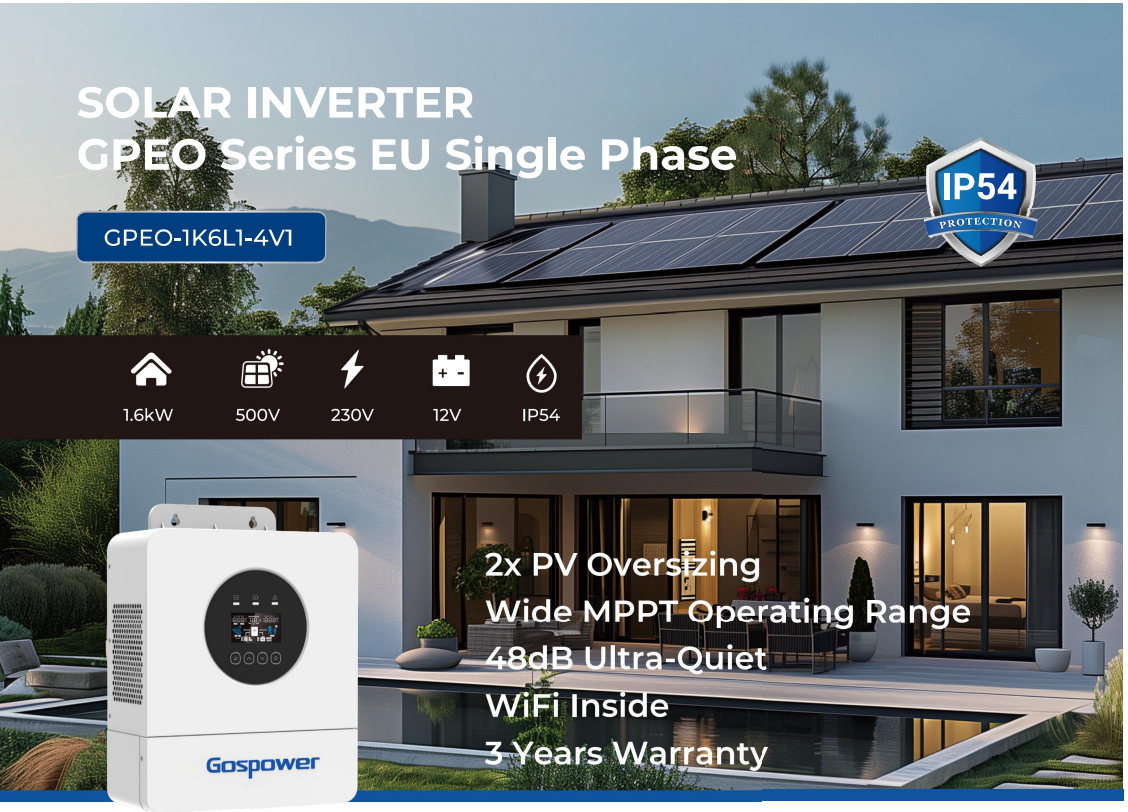
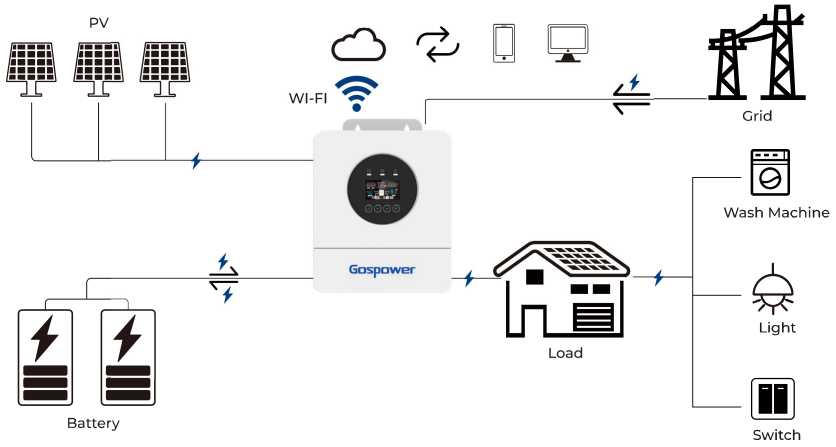



## HOUSE ENERGY SYSTEM




OFF-GRID SERIES

Gospower

| | GPEO-1K6L1-4V1 |
|---|---|
| **PV(DC input)** | |
| Recommended max. PV input power | 3200W |
| Max. input voltage(Voc) | 500V |
| MPPT operating voltage range | 35V-450V (@30V start up) |
| Number of MPPT | 1 |
| Max. number of input strings per MPPT | 1 |
| Max. input current per MPPT | 20A |
| Max. short-circuit current per MPPT | 22A |
| **Grid(AC input)** | |
| Max. input power | 2000W |
| Max. input current | 9.4A |
| Rated grid voltage | 220/230/240Vac |
| Rated grid frequency | 50/60Hz |
| Acceptable range | 170-280Vac(For UPS); 90-280Vac(For Home Appliances) |
| **Battery parameters (Bidirection)** | |
| Battery type | LiFePO4 /Lead-acid |
| Battery voltage range | 10.5-15Vdc |
| Rated battery voltage | 12Vdc |
| Max. charge/discharge current | 80A / 145A |
| BMS communication mode | RS485 |
| **Back-up output (AC output)** | |
| Rated output power | 1600W /2000VA |
| Rated output current | 9.1A |
| Rated output voltage/frequency | 220/230/240Vac 50/60Hz |
| Parallel capacity | / |
| Surge power | 3200VA 2s |
| THDv (@ linear load) | <3% |
| Switching time | 10ms typical (For UPS) 20ms typical (For Home Appliances) |
| **Efficiency** | |
| Peak efficiency | 92% |
| Max. MPPT efficiency | 99.9% |
| **Protection** | |
| Inner protection | √Output short-circuit protection √Output overvoltage protection |
| Surge protection | PV: Type III, AC: Type III |
| IP rating | IP54 |
| **General parameters** | |
| Operating temperature range | -10°C~ 55°C |
| Relative humidity range | 10%~95% |
| Max. operating altitude | >2000m derating |
| Standby self-consumption | <15W |
| Installation type | Wall-mounted |
| Cooling mode | Fan cooling |
| Communication | RS232/RS485 |
| Display | LCD |
| **Mechanical specifications** | |
| Inverter dimensions (D*W*H)(mm) | 305.6*237*100.5 |
| Net weight(kg) | 3.95 |
| Warranty period | 3 Years |