

SOLAR INVERTER

GPEO Series EU Single Phase

GPEO-04KL1 PRO-1 /06KL1 PRO-1



4-6kW



500V



230V



24V/48V



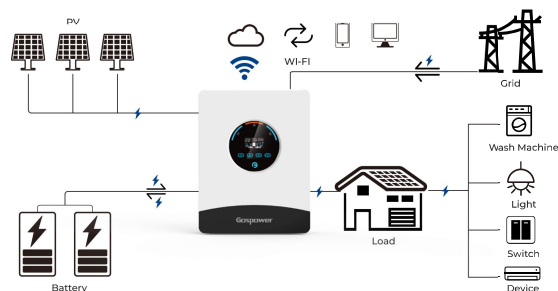
IP54

Dual AC Output
IP54 Design
Pure Sine Wave
Wide MPPT Operating Range
Built-In BMS Communication
Max. 12 Units Parallel
3 Years Warranty

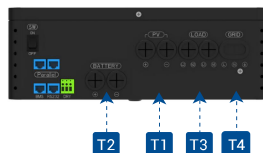


EN 62109-1 EN62109-2 IEC 61000

HOUSE ENERGY SYSTEM



GPEO-04KL1 PRO-1 CONNECTOR



T1: PV T3: AC LOAD
T2: BAT+&BAT- T4: AC GRID

OFF-GRID SERIES

Gospower

GPEO-04KL1 PRO-1		GPEO-06KL1 PRO-1
PV(DC input)		
Recommended max. PV input power	6000W	8000W
Max. input voltage(Voc)	500V	
MPPT operating voltage range	85V-450V (@85V start up)	
Number of MPPT	1	
Max. number of input strings per MPPT	1	2
Max. input current per MPPT	15A	27A
Max. short-circuit current per MPPT	18A	32A
Grid(AC input)		
Max. input power	6440W	11500W
Max. input current	28A	50A
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	20~30Vdc	40~60Vdc
Rated battery voltage	24Vdc	48Vdc
Max. charge/discharge current	120A/160A	120A/130A
BMS communication mode	RS485	
Back-up output (AC output)		
Rated output power	4000W/4000VA	6000W/6000VA
Output Type	Dual Output	
Rated output current	18.2A	27.3A
Rated output voltage/frequency	220/230/240Vac, 50/60Hz	
Parallel capacity	-	Single-phase Max. 12 units; Three-phase Max. 12 units
Surge power	8000VA 5S	12000VA 5s
THDv (@ linear load)	<3%	
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency		
Peak efficiency	95%	98%
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	5%~95%	
Max. operating altitude	>2000m derating	
Standby self-consumption	<10W	
Installation type	Wall-mounted	
Cooling mode	Fan cooling	
Communication	RS232/RS485/Dry contact/WI-FI	
Display	LCD	
Mechanical specifications		
Inverter dimensions (L*W*H)(mm)	445*347*120	
Net weight(kg)	9.2	12.4
Warranty period	3 Years	