

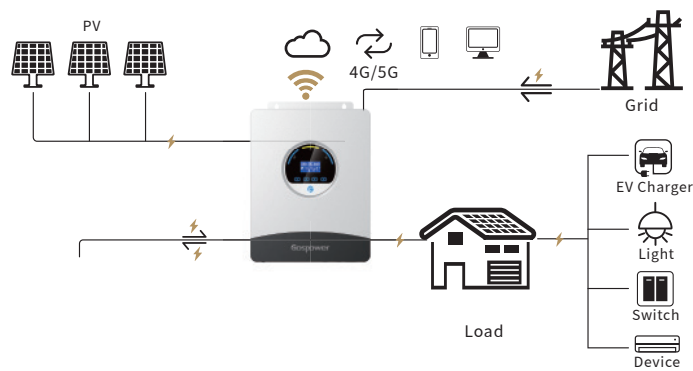
# OFF GRID INVERTER

## GPEO Single Phase Off-Grid Inverter Single Phase

SANDPROOF DESIGN +IP54  
SUPPORT LITHIUM&LEAD-ACID BATTERY  
MAX.12 PCS PARALLEL CONNECTION  
SUPPORT 3 PHASE CONNECTION WAY  
3 YEARS WARRANTY



### Connection



Battery

### Color Options



Green

Blue

Grey

		GPEO-3K6L1	GPEO-6KL1
DC Input (PV)	Recommended max. PV input power	4000W	6000W
	Rated input voltage	380V	380V
	MPPT operating voltage range	85V-450V (@500V VOC)	85V-450V (@500V VOC)
	Number of MPPT	1	1
	Max. number of input strings per MPPT	1	1
	Max. input current per MPPT	27A	27A
	Max. short-circuit current per MPPT	35A	35A
AC input	Max output power	6500W	11000W
	Max output current	30A	50A
	Rated grid voltage	220/230/240Vac	220/230/240Vac
	Rated grid frequency	50/60Hz	50/60Hz
	THDi	<3% (@100% Linear load)	<3% (@100% Linear load)
	Power factor	1	1
Battery parameters	Battery type	Lithium /Lead-acid	Lithium /Lead-acid
	Battery voltage range	20V~30V	40-60V
	Max. charge/discharge current	120A/150A	120A/125A
	BMS communication mode	RS485	RS485
AC output (off-grid)	Rated output power	3600W	6000W
	Rated output current	15.6A	26.1A
	Rated output voltage	220/230/240Vac	220/230/240Vac
	Frequency	50/60Hz	50/60Hz
	Surge power	7200VA 5s	12000VA 5s
	THDv (@ linear load)	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency	Max. MPPT efficiency	99.90%	99.90%
	Peak efficiency	93.00%	93.00%
Protection	Inner protection	√Output short circuit protection √Output overvoltage protection	
	Surge protection	PV: Type III, AC: Type III	
	IP rating	IP54	IP54
General Parameters	Operating temperature range	-10°C ~ 50°C	-10°C ~ 50°C
	Relative humidity range	5%~95%	5%~95%
	Max. operating altitude	2000m	2000m
	Standby self-consumption [2]	<10W	<10W
	Installation type	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling
	Communication	RS232/RS485/Dry contact	
Display	LCD		
MECHANICAL SPECIFICATIONS	Inverter dimensions (W*H*D) (mm)	347*445*120	347*445*120
	Net weight (kg)	12.1	13
	Shipping dimensions (W*H*D) (mm)	465*560*195	465*560*195
	Gross weight (kg)	13.5	15