



POWER HYBRID

OFF GRID INVERTER



Single Phase Off-Grid Inverter
Single Phase

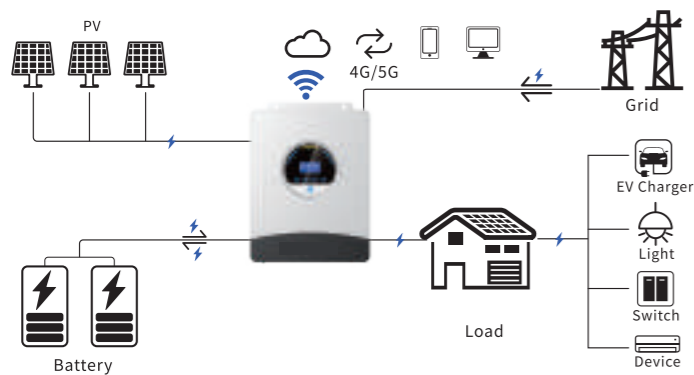


SANDPROOF DESIGN +IP54
SUPPORT LITHIUM & LEAD-ACID BATTERY
MAX.12 PCS PARALLEL CONNECTION
SUPPORT 3 PHASE CONECTION WAY

POWER HYBRID



Connection



	PH-3K6L1	PH-6KL1	
DC Input (PV)	Recommended max. PV input power	1500w	6000W
	Rated input voltage	145V	380V
	MPPT operating voltage range	30V-120V (@30V start up)	85V-450V (@500V VOC)
	Number of MPPT	1	1
	Max. number of input strings per MPPT	1	1
	Max. input current per MPPT	25A	27A
	Max. short-circuit current per MPPT	27A	35A
AC input	Max output power	4000W	11000W
	Max output current	17.4A	50A
	Rated grid voltage	220/230/240Vac (L,N,PE)	220/230/240Vac
	Rated grid frequency	50/60Hz	50/60Hz
Battery parameters	THDi	***	<3% (@100% Linear load)
	Power factor	***	1
	Battery type	LifePO4/Lead-acid	Lithium /Lead-acid
	Battery voltage range	20V - 30V	40-60V
AC output (off-grid)	Max. charge/discharge current	120A/180A	120A/125A
	BMS communication mode	RS232 / RS485	RS485
	Rated output power	3 000w / 3 600VA	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 2s	12000VA 5s
Efficiency	THDv (@ linear load)	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
	Max. MPPT efficiency	95 %	99.90%
	Peak efficiency	92 %	93.00%
Protection	Inner protection	√ Output short circuit protection √ Output overvoltage protection	
	Surge protection	PV: Type III, AC: Type III	
	IP rating	IP21	IP54
General Parameters	Operating temperature range	-10°C ~ 50°C	-10°C ~ 50°C
	Relative humidity range	10%~95%	5%~95%
	Max. operating altitude	>2000m derating	2000m
	Standby self-consumption [2]	<10W	<10W
	Installation type	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling
	Communication	RS232/RS485	RS232/RS485/Dry contact/WI-FI
MECHANICAL SPECIFICATIONS	Display	LCD	LCD
	Inverter dimensions (W*H*D) (mm)	350*290*105	347*445*120
	Net weight (kg)	6	13
	Shipping dimensions (W*H*D) (mm)	495*385*165	465*560*240
Gross weight (kg)	7	15	