

HYBRID INVERTER

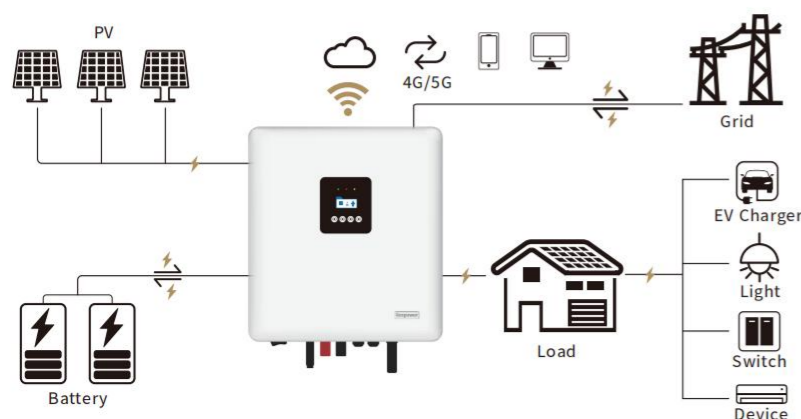
GPEX Single Phase Inverter
EU Standard Single Phase

MAX.MPPT EFFICIENCY 99.90%
IP65 DESIGNED FOR OUTDOOR
5 YEARS WARRANTY
NATURAL COOLING DESIGN
SLA&LFP BATTERIES SUPPORT

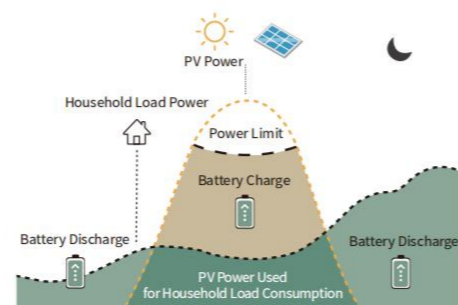


CE Grid Code EN 50549-1 VDE 4105 CEI 0-21 NTs type A

Connection



Working Mode



		GPEX-3K6L1	GPEX-5KL1	GPEX-6KL1
DC Input (PV)	Recommended max. PV input power	4800W	8000W	8000W
	Rated input voltage	380V	380V	380V
	MPPT operating voltage range	120-550V	120-550V	120-550V
	Number of MPPT	1	2	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	13A	13/13A	13/13A
	Max. short-circuit current per MPPT	20A	20A	20A
AC output (on-grid)	Rated output power	3600W	5000W	6000W
	Rated output current	15.7A	21.7A	26.1A
	Rated grid voltage	230V	230V	230V
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
	THDi	<3%	<3%	<3%
	Power factor	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
Battery parameters	Battery type	SLA & LFP	SLA & LFP	SLA & LFP
	Battery voltage range	40-60V	40-60V	40-60V
	Max. charge/discharge current	50A	100A	100A
	BMS communication mode	485;CAN	485;CAN	485;CAN
AC output (off-grid)	Rated output power	3600W	5000W	6000W
	Rated output current	15.7A	21.7A	26.1A
	Rated output voltage	230V	230V	230V
	Frequency	50/60Hz	50/60Hz	50/60Hz
	Surge power	3960VA	5500VA	6600VA
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	<10ms	<10ms	<10ms
Efficiency	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Max. efficiency	97.20%	98.00%	98.00%
	European efficiency	96.40%	97.10%	97.10%
	Max. efficiency of charging/discharging	94.00%	94.00%	94.00%
Protection	Protection	✓DC switch ✓PV reverse connection protection ✓ Battery reverse connection protection ✓Output short-circuit protection ✓Output overvoltage protection ✓Insulation impedance detection ✓Residual current detection ✓Anti-island protection		
	Surge protection	PV: Type III, AC: Type III		
	IP rating	IP65	IP65	IP65
General parameters	Operating temperature range	-25~60°C	-25~60°C	-25~60°C
	Relative humidity range	0~95%	0~95%	0~95%
	Installation type	Wall mounted	Wall mounted	Wall mounted
	Cooling mode	Natural cooling	Natural cooling	Natural cooling
	Communication	Wi-Fi;R485;CAN;GPRS	Wi-Fi;R485;CAN;GPRS	Wi-Fi;R485;CAN;GPRS
	Display	LCD;APP	LCD;APP	LCD;APP
	Inverter dimensions (W*H*D) (mm)	535*485*198.5	535*485*198.5	535*485*198.5
MECHANICAL SPECIFICATIONS	Net weight (kg)	27.5Kg	29Kg	29Kg
	Shipping dimensions (W*H*D) (mm)	735*595*345	735*595*345	735*595*345
	Gross weight (kg)	29Kg	30.5Kg	30.5Kg
	Container (20GP/40GP/40HQ)			