

HYBRID INVERTER GPEX Series US Split Phase

GPEX-15KH2

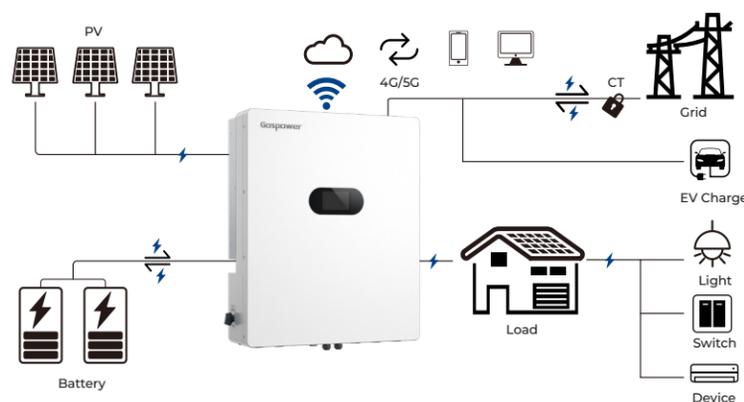
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15kW
- 
550V
- 
120/240V
- 
75-480V
- 
TYPE 4X



TYPE 4X Design
Natural Cooling
Support High Voltage Battery
Generator Port
5 Years Warranty

 Grid Code UL1741 UL1699B IEEE1547.1-2020
FCC (part15 class B), AFI TYPE1

HOUSE ENERGY SYSTEM(ON/OFF GRID)



CONNECTOR



T1: PV1/PV2 T3: AC GRID
T2: BAT+/BAT- T4: GENERATOR
T5: AC LOAD

GPEX-15KH2	
PV(DC Input)	
Recommended max. PV input power	24kw
Max.input voltage(Voc)	550V
MPPT operating voltage range	120-550V
Number of MPPT	4/2
Max. number of input strings per MPPT	6KW
Max. input current per MPPT	27A
Max. short-circuit current per MPPT	40A
On-grid(Bidirection)	
Rated input power	15kw
Rated input current	62.5A
Max. Continuous AC input power	20kw
Max, Continuous AC input current	83.3A
THDi	<3%
Rated grid voltage	120/240V,208V(L1,L2,N)50/60Hz
Power factor	0.8leading..0.8lagging
Battery parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	75-480Vdc
Rated Battery Voltage	204.8Vdc
Max. charge/discharge current	75A
BMS communication mode	CAN/485
Back-up Output (AC Output)	
Rated Output voltage(L-L)	120/240V,208V(L1,L2,N)50/60Hz
Output power/current (L-L)	Rated: 15kW/62.5A
Rated output voltage(L-N)	120V (L, N) 60Hz
Generator Parameters(AC Input)	
Rated AC input voltage	120/240 V (L1, L2,N) 60Hz
Max. AC input current	79.2A
Max. AC input power	19kw
Efficiency	
Peak efficiency	97.00%
Max. MPPT efficiency	99.90%
Battery charging/discharging efficiency	96.00%
Protection	
Inner 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	Type 4X
General Parameters	
Operating temperature range	-22°F~+140°F (No derating below 113° F)
Relative humidity range	>3000m derating
Cooling mode	Natural cooling
Communication	WIFI/ GPRS
Switching time	<20MS
Mechanical Specifications	
Inverter dimensions (L*W*H)(mm)	840*680*200
Net weight (kg)	58.5
Carton dimensions (L*W*H)(mm)	1075*895*365
Gross weight (kg)	71
Warranty Period	5 Years Standard (10/15 Years Optional)