

GWP6K2-P1

Hybrid inverter

6.2 kWh

Scalable

OVERVIEW

The GWP6K2-P1 hybrid inverter integrates MPPT tracking, inverter energy storage, and intelligent scheduling. It provides stable and reliable pure sine wave output, supports seamless switching between grid-connected and off-grid modes, and meets the needs of photovoltaic and energy storage integration. It is suitable for household backup power, off-grid power supply, etc. With efficient conversion, safety, and durability, it creates an autonomous and controllable green energy life for you.

KEY FEATURES



High-efficiency power generation and power tracking



Support UPS uninterruptible power supply function.



Multiple working modes to meet different needs.



Built-in bidirectional inverter, supporting AC/DC bidirectional conversion.



Advanced MPPT technology with an efficiency of up to 99.9%.



Supports universal compatibility with multiple battery types, including lead-acid batteries and lithium batteries.

SPECIFICATION

TECHNICAL PARAMETERS		GWP6K2-P1
AC Input		
Nominal voltage		230Vac
voltage range		(170Vac~280Vac)±2%@UPS;(90Vac-280Vac)±2%@APL
Frequency		50/60Hz
AC Output		
Nominal voltage		230Vac
Rated output power		6.2KW
Surge Power		12kVA
Power factor		1
Frequency		50/60Hz
Conversion time (bypass and inverter)		10ms
Output voltage waveform		Pure sine wave
Overload protection		5S@>150%Load
Maximum output efficiency		> 94%
PV		
Maximum PV open circuit voltage		500Vdc
MPPT Voltage Range		90 ~ 450Vdc
MAX Current		27A
MAX Power		6.5KW
BATTERY		
Type of battery		Lead acid or lithium battery
Voltage Range		40 ~60Vdc
Max current		100A
Other		
IP Degree		IP 20
Operation temperature		-10°C to 55°C, > 45°C drop runs
Dimension(W*D*H mm)		420*280*110
Weight		8.2Kg
Communication		RS485/USB/Dry node control
Compliance		IEC 62619,EN61000

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