

G series single phase inverter

Features:

- Toroidal transformer, low self-consumption
- Wide input voltage range and high-precision output
- Three working modes: AC priority, DC priority, ECO mode
- Settings for battery type, charging voltage and current are available
- Power frequency design, pure sine wave, suitable for various types of loads
- Protection: Battery over / low voltage, overload, short circuit, over- temp. and etc;
- Lightning arrester (optional)
- Unattended function (optional);
- Built in PWM controller(Optional)

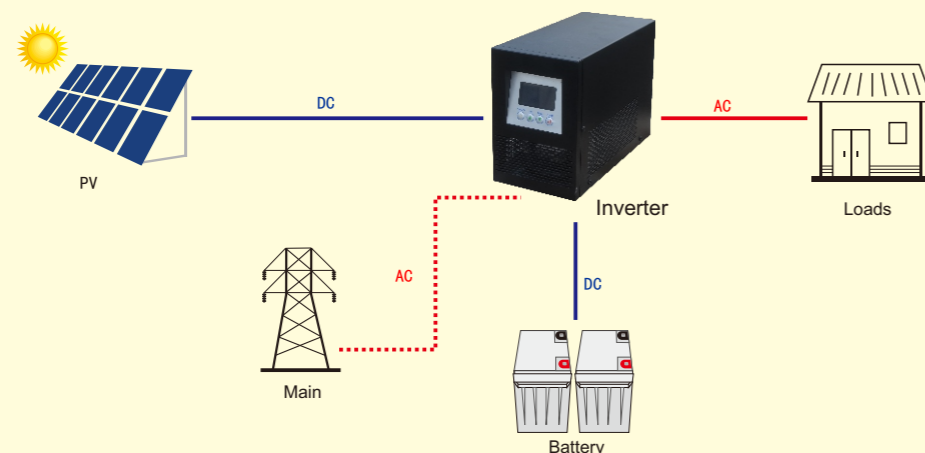
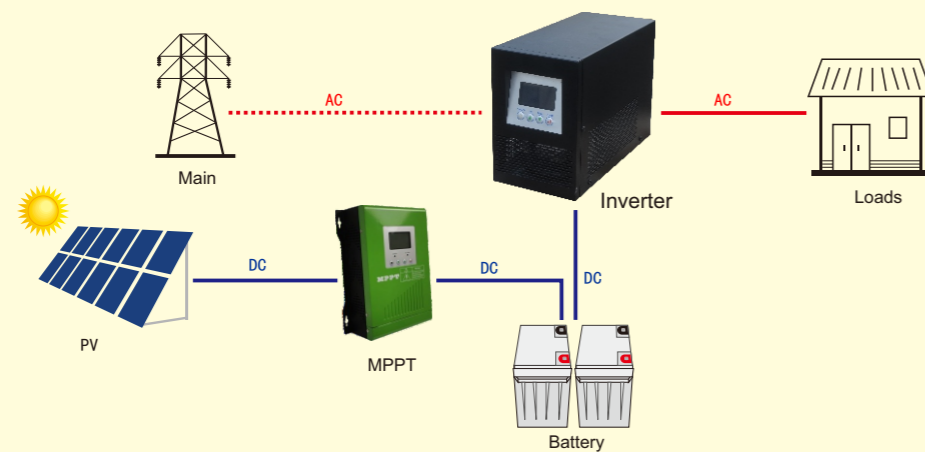


Floor-standing Design

Application



Application diagram



Technical Parameters

	GN050	GN100
Inverter	GN050	GN100
Inverter with PWM	GP0530	GP1030
Rated power	1000W	1000W
Battery voltage	12V/24V/48V	
Size (L*W*Hmm)	310*142*215	
package size (L*W*Hmm)	360*195*280	
N.W. (KG)	6	8
G.W.(KG)	7	9

Input

Phase	L+N+G
AC input range	110V:85-138VAC;220V:170-275VAC
Input frequency	45Hz~55Hz or 55Hz~65Hz

Output

Output voltage	Inverter mode: 110VAC/220V±5%; AC mode: 110VAC/220VAC±10%
Frequency range (AC mode)	Auto-detect
Frequency range (inverter mode)	50Hz/60Hz±1%
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Crest ratio	3:1max
Transfer time	<10ms(Typical loads)
Waveform	Pure sine wave
Efficiency	>85%(80% resistive loads)
Protection functions	Battery overvoltage protection,battery undervoltage protection,overload protection, short circuit protection,overtemperature protection,etc.

Built-in solar charge controller(Optional)

Max charge current	30A
PV input voltage range	12V:16V~36V;24V:30V~50V
Max PV input	12V:360W;24V:720W
Cooling method	Fans cooling

Environmental conditions

Operating temperature	0°C-40°C (Battery life decreases at ambient temperatures above 25 degrees Celsius)
Operation humidity	<95% (without condensing)
Operating altitude	<1000m(with increase of 100m,it will reduce output of 1%) max5000m
Noise	<58dB(distance to machine 1m)

Management

Display	LCD+LED
Communication interface	RS232(Optional)

*The specifications, dimensions and materials are subject to change without further notice.