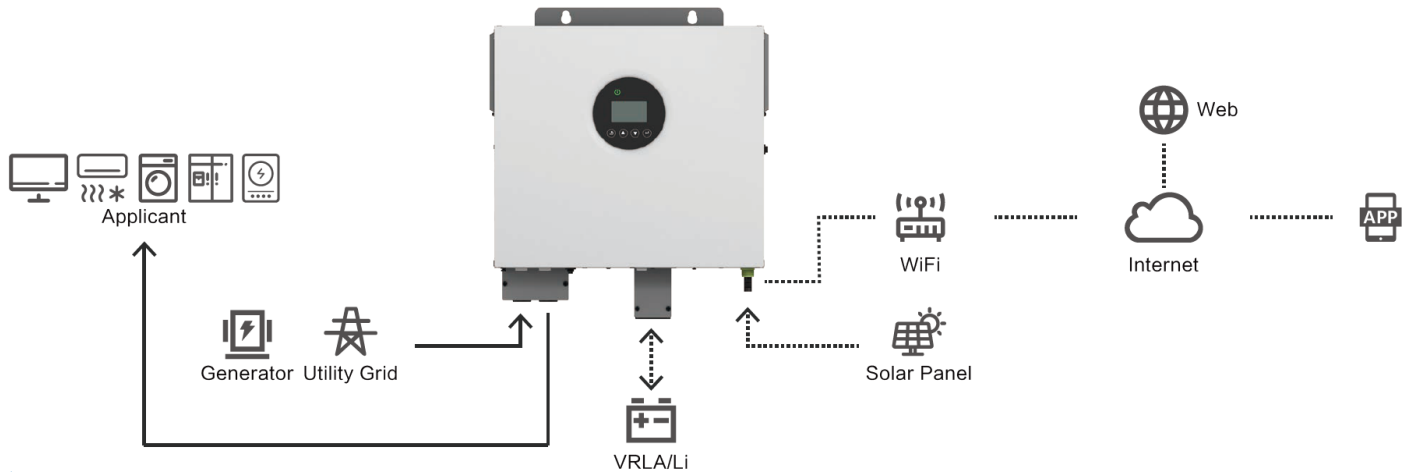


Product Overview

Giganet 3.6KW and 6KW Hybrid Inverter, engineered for robust performance and sustainability. Designed with 6kV lightning protection, DC-DC high-frequency isolating converter for battery operation, and waterproof PV terminals, it ensures reliable operation in diverse environments. Achieving up to 93.5% efficiency with a pure sine wave output and a power factor of 1.0, it supports compatibility with generators and integrates intelligent cooling fan control and built-in temperature sensors for optimal operation. Featuring low THDv and dust-cleaning alarms, this inverter exemplifies Giganet's commitment to safety, efficiency, and environmental consciousness.



Images are for illustration purposes only; the actual product may vary.

FEATURES	
PV and AC charging current is up to 120A	
Intelligent charging (Multiple charging modes)	
Dot-matrix screen and physical button	
Built-in WiFi module (Optional)	
APP support (Optional)	
Built-in PV terminal for easy installation	
Support home appliances/office equipment/lighting	
Support lead-acid and lithium-ion battery	
Max. 6 units in parallel	
RS232/USB/Dry Contact	
PV and AC charging current is up to 120A	
Intelligent charging (Multiple charging modes)	

Ordering Information

Part Number	Product Description
GN-INV-3.6KVA-48V	GIGANET Hybrid 3.6KVA-48V Inverter with WiFi & Parallel Function
GN-INV-6KVA-48V	GIGANET Hybrid 6KVA-48V Inverter with WiFi & Parallel Function

Product Specification

MODEL	GN-INV-3.6KVA-48V	GN-INV-6KVA-48V
Nominal Voltage	230/240Vac	
Selectable Voltage Range	170~280Vac (For Personal Computers)	90~280Vac (For Home Appliances)
Frequency	50/60Hz (Auto Detection)	
Power Factor	0.98	
AC Switch	Optional	
Generator input	Support	
PV String Input (DC)		
Max PV Array Open Circuit Voltage Range	500Vdc	
Start-up Voltage	120Vdc	
Initial Feeding Voltage	150Vdc	
MPPT Voltage Range	120Vdc ~ 450Vdc	
Number of MPPT Trackers	1	
Maximum PV input Power	4000W	6700W
DC Switch	Optional	
AC Output		
Nominal output Power	3600W/3600VA	6000W/6000VA
Nominal Voltage (Batt. Mode)	230 (Default)/240Vac ± 5%, User Settable	
Surge Power	7200VA	12000VA
Transfer Time	15ms (For Personal Computers); 20ms (For Home Appliances)	
Waveform	Pure sine wave	
Output THDv (@Linear Load)	<3%	
Battery Mode Efficiency (Peak)	93.5%	
Battery & Charge		
Norminal Votage (LiFePO ₄)	51.2Vdc	51.2Vdc
Norminal Votage (Lead Acid)	48V	48V
Max. AC charge Current	60A	120A
Max. Solar Charge Current	60A	120A
Max. Charge Current (Solar + AC charge current)	60A (User Selectable)	120A (User Selectable)
Interface & Mechanical		
Display	LCD & LED	
Parallel Function	Optional, max 6 units	
Communication Interface	RS232/USB/Dry Contact; Optional: RS485/CAN/WIFI	
Dimension (D*W*H/mm)	134.0*427.5*460.8	
Net Weight (kg)	11.6	13.2
Protection		
Output Over-current Protection	Yes	
Function Protection	Short Circuit; Over voltage; Under voltage;	
Insulation Detection	Yes	
AC/DC Surge Protection	Yes	
General Specifications		
Operating Temperature	-10°C~50°C	
Storage Temperature	-15°C~60°C	
Relative Humidity	5%~95%, non-condensing	
Altitude	<3000m	
Protection Class	IP21	
Standards		
Safety	IEC/EN62109-1&2	
EMC	EN61000-6-1&2&3&4	

Note: Output load will not be derated if the working altitude is under 2000m