

SNV-GH5042 HYBRID INVERTER

HYBRID 5 kW



Feature Highlights:

- Pure sine wave output
- Self-consumption and feed-in to the grid
- Programmable supply priority for PV, battery or grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tied, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 9 units for 2kW/3kW/5kW models
- Battery independent system
- Inbuilt WiFi Monitoring Data Logger
- Inbuilt RS485 port for Lithium Battery Communication

MODEL

SNV-GH5042

Phase	1-phase in/ 1-phase out
Max. PV input power	6kW
Rated output power	5kW

PV INPUT (DC)

Nominal DC voltage/ Max. DC voltage	360Vdc/450Vdc
MPPT voltage range	120Vdc~430Vdc
Number of MPP trackers/ Max. input current	1/27A

GRID-TIED GRID OUTPUT (AC)

Nominal output voltage	220/230/240Vac
Output voltage range	184~264.5Vac or 195.5~253Vac (selectable)
Output frequency range	47.5~51.5Hz or 49~51Hz (selectable)
Nominal output current	21.7A
Power factor (cos Φ)	>0.99

EFFICIENCY

Max. conversion efficiency (DC/AC)	95%
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OFF-GRID & HYBRID OPERATION AC INPUT

Acceptable input voltage range	90~280Vac or 170~280Vac
Frequency range	50Hz/60Hz (auto sensing)
Max. AC input current	40A

BATTERY MODE OUTPUT (AC)

Nominal output voltage	220/230/240Vac
Output wave form	Pure Sine Wave
Nominal output frequency	50Hz
Efficiency (DC to AC)	93%

BATTERY & CHARGER

Nominal DC voltage	48Vdc
Max. solar charging current	100A
Max. AC charging current	100A
Max. charging current	100A

GENERAL PHYSICAL

Dimensions (D*W*H) in mm	140 x 295 x 468
Net weight (kg)	12

INTERFACE

Parallel function	Yes, 9 units
Communication port	USB or RS-232/ Dry contact
Monitoring communication	Inbuilt WiFi Monitoring Data Logger

ENVIRONMENT

Humidity	0~90% RH (no condensing)
Operating temperature	-10°C to 50°C

Specifications subject to change without prior notice