

SNV-GH10041 HYBRID INVERTER

HYBRID 10 kW



Feature Highlights:

- Self-consumption and feed-in to the grid
- User-adjustable supply priority for PV, battery or grid
- User-adjustable battery charging current suits different types of batteries
- Multiple operation modes: Grid-tied, off-grid and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real time status display control
- Parallel operation up to 6 units for up to 60KW

MODEL	SNV-GH10041
Phase	3-phase in / 3-phase out
Max. PV input power	14.85 KW
Rated output power	10 KW
Maximum charging power	9.6 KW
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC voltage/ Max. DC voltage	720 VDC / 900 VDC
Start-up voltage/ Initial feeding voltage	320 VDC / 350 VDC
MPPT voltage range	350 VDC - 950 VDC
Number of MPP trackers/ Max. input current	2 / 2 x 18.6A
GRID OUTPUT (AC)	
Nominal output voltage	220 VAC (P-N) / 380 VAC (P-P)
Output voltage range	184 - 265 VAC (P-N)
Nominal output current	15.2A per phase
Power factor (cos Φ)	>0.99
EFFICIENCY	
Max. conversion efficiency (DC/AC)	96%
OFF-GRID OPERATION	
AC INPUT	
AC start-up voltage/ Auto restart voltage	120 - 140 VAC (P-N) / 180 VAC (P-N)
Acceptable input voltage range	170 - 290 VAC (P-N)
Max. AC input current	40A
PV INPUT (DC)	
Maximum DC voltage	900 VDC
MPP voltage range	350 VDC - 950 VDC
Number of MPP trackers/ Max. input current	2 / 2 x 18.6A
BATTERY MODE OUTPUT (AC)	
Nominal output voltage	220 VAC (P-N) / 380 VAC (P-P)
Output wave form	Pure Sine Wave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC voltage/ Max. DC voltage	720 VDC / 900 VDC
Start-up voltage/ Initial feeding voltage	320 VDC / 350 VDC
MPPT voltage range	350 VDC - 950 VDC
Number of MPP trackers/ Max. input current	2 / 2 x 18.6A
GRID OUTPUT (AC)	
Nominal output voltage	220 VAC (P-N) / 380VAC (P-P)
Output voltage range	184 - 265 VAC (P-N)
Nominal output current	15.2A per phase
AC INPUT	
AC start-up voltage/ Auto restart voltage	120~140 VAC (P-N) / 180 VAC (P-N)
Acceptable input voltage range	170 - 290 VAC (P-N)
Max. AC input current	40A
BATTERY MODE OUTPUT (AC)	
Nominal output voltage	220 VAC (P-N) / 380 VAC (P-P)
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Nominal DC voltage	48VDC
Max. charging current	10A - 200A
GENERAL PHYSICAL	
Dimensions D x W x H (mm)	167.2 x 500 x 622
Net weight (kg)	40
INTERFACE	
Communication port	RS-232 / USB / Dry Contact
Intelligent slot	Optional SNMP, Modbus and AS-400 cards available
ENVIRONMENT	
Humidity	0~90% RH (no condensing)
Operating temperature	-10°C to 55°C

Specifications subject to change without prior notice