

HOPEWIND

GREEN C&I SOLUTION

PV Grid-tied Inverter

HSNV60/70/ 75/100/110K- G03



PRELIMINARY

FEATURES



Efficient Power Generation

- 4 MPPTs with Max. efficiency of 98.70%
- MPPT current of 65A, fully compatible with 180/210 modules
- Wide temperature range, supports full-load operation at 45°C
- Supports PID recovery function, enhances system power generation



Safe and Reliable

- High-precision intelligent string detection, accurate fault identification
- Equipped with intelligent DC disconnection functions for higher safety
- Featuring temperature detection for both AC and DC terminals, enhances safety and reliability
- Built-in AC/DC SPD for comprehensive lightning protection
- IP66 ingress protection, a strong environmental adaptability



Smart and User-friendly

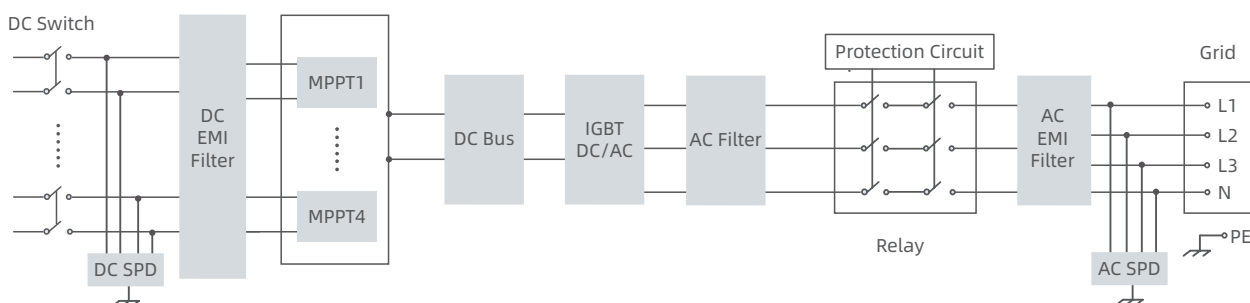
- Smart air cooling design to ensure stable system operation
- With active reactive power regulation, zero-voltage ride-through function
- AC/DC redundant design, 24-hour real-time monitoring



Economical and Eco-friendly

- Dual independent 485 communication, support multi-platform independent monitoring
- Supports up to 240mm² of aluminum wire connections, reduces cable costs
- Integrated tracking power supply and communication port for lower system cost

TOPOLOGICAL GRAPH



PARAMETERS

Model	HSNV60K-G03	HSNV70K-G03	HSNV75K-G03	HSNV100K-G03	HSNV110K-G03
DC Input					
Max. Input Voltage	1100 V				
Starting Voltage	200 V				
MPPT Voltage Range	200~1000 V				
Max. Current Per MPPT	65 A				
Max. Short-circuit Current Per MPPT	100 A				
Number of DC Inputs	4 × 3			4 × 4	
Number of MPP Trackers	4				
AC Output					
Rated Output Power	60 kW	70 kW	75 kW	100 kW	110 kW
Max. Output Power	66 kW	77 kW	82.5 kW	110 kW	121 kW
Rated Output Voltage	230 V / 400 V (3P + N + PE)				
Operating Voltage Range	300~500 V				
Rated Output Current	86.6 A	101.0 A	108.3 A	144.3 A	158.8 A
Max. Output Current	95.3 A	111.1 A	119.1 A	158.8 A	174.7 A
Rated Grid Frequency	50 Hz / 60 Hz				
Power Factor	>0.99 (0.8 leading~0.8 lagging)				
Harmonic (THDi)	<3% (at rated power)				
Efficiency					
Max. Efficiency	98.70%				
European Efficiency	98.40%				
Protection					
Surge Protection	DC type II, AC type II				
PV Reverse Polarity Protection	Yes				
Insulation Impedance Detection	Yes				
Residual Leakage Current Detection	Yes				
Output Overcurrent Protection	Yes				
Anti-islanding Protection	Yes				
DC Switch Automatic Trip	Yes				
Zero Export Function	Yes				
PV String Connection Detection	Yes				
DC&AC Terminal Temperature Detection	Yes				
Rapid Shutdown (RSD)	Yes				
Arc Fault Circuit Interrupter (AFCI)	Yes				
Optional	PID recovery				
General Parameters					
Dimensions (W × H × D)	953 × 657 × 384 mm				
Weight	≤75 kg				
Ingress Protection	IP66				
Operating Temperature Range	-25~+60°C				
Cooling System	Smart air cooling				
Anti-corrosion	C5 (optional)				
Topology	Transformerless				
Operating Altitude	4500 m (>3000 m derating)				
Display	LED, Wi-Fi + APP				
Communication	RS485 / Wi-Fi / PLC (optional)				
DC Connection Type	DC connector				
AC Connection Type	OT / DT terminal (≤240 mm²)				

Note: The parameters depicted in the HSNV60-110K-G03 datasheet are preliminary version and shall not serve as a binding reference for product performance compliance. The final product specifications shall prevail per the actual shipped products.

