

HOPEWIND

GREEN C&I SOLUTION

PV Grid-tied Inverter

HSNV100/110K -G01



FEATURES



Efficient

- 4 MPPTs with Max. efficiency of 98.60%
- 110% AC overloading
- Up to 20A of MPPT current input to support 210mm & bifacial PV modules



Reliable

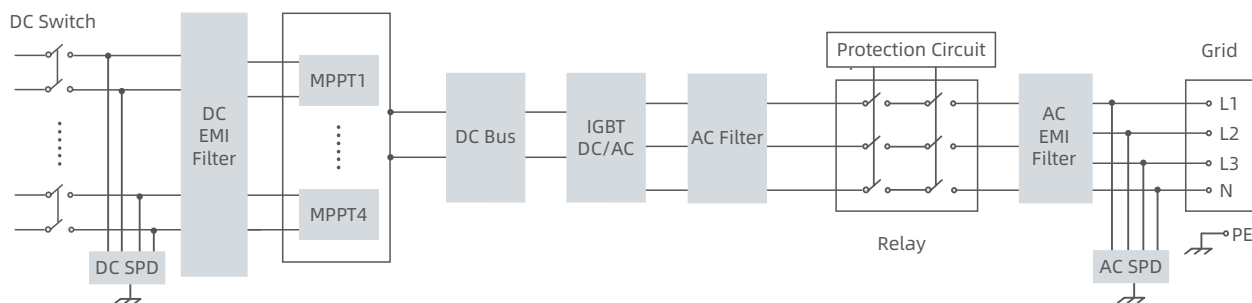
- High precisely & intelligent string detection
- Built-in SPD for surge protection & AFCI function
- Wide AC voltage range for unstable grid
- Built-in PID recovery module (optional)



User Friendly

- Built-in zero export function interface
- Supports country grid code preset
- 24/7 monitoring & remote firmware upgrade
- Near-end commissioning via APP

TOPOLOGICAL GRAPH



PARAMETERS

Model	HSNV100K-G01		HSNV110K-G01
DC Input			
Max. Input Voltage	1100 V		
Starting Voltage	200 V		
MPPT Voltage Range	200~1000 V		
Max. Input Current Per MPPT	65 A / 65 A / 65 A / 65 A		
Max. Short-circuit Current	100 A / 100 A / 100 A / 100 A		
Number of DC Inputs	5 / 5 / 5 / 5		
Number of MPP Trackers	4		
AC Output			
Rated Output Power	100 kW	110 kW	
Max. Output Power	110 kW	121 kW	
Rated Output Voltage	230 V / 400 V (3P + N + PE)		
Operating Voltage Range	300~520 V		
Rated Output Current	144.3 A	158.8 A	
Max. Output Current	158.8 A	174.7 A	
Rated Grid Frequency	50 Hz / 60 Hz		
Grid Frequency Range	45~55 Hz / 55~65 Hz		
Power Factor	>0.99 (0.8 leading~0.8 lagging)		
Harmonic (THDi)	<3% (at rated power)		
Efficiency			
Max. Efficiency	98.60%		
European Efficiency	98.30%		
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		
Zero Export Function	Yes		
PV String Connection Detection	Yes		
Arc Fault Circuit Interrupter (AFCI)	Yes		
DC Switch	Yes		
Optional	PID recovery, I/V curve scanning		
General Parameters			
Dimensions (W × H × D)	890 × 814 × 343 mm		
Weight	≤94 kg		
Ingress Protection	IP65		
Operating Temperature Range	-40~+60°C		
Cooling System	Smart air cooling		
Topology	Transformerless		
Operating Altitude	4000 m (>3000 m derating)		
Display	LED, WLAN + APP		
Communication	RS485 / Wi-Fi		
DC Connection Type	DC connector (4~6 mm ²)		
AC Connection Type	OT / DT terminal		
Standard Compliance (More Available Upon Request)			
Certification	IEC 62109, IEC 61000, IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 50549-1, EN 50549-2, VDE 4105, VDE 4110, VDE 4120		

