

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

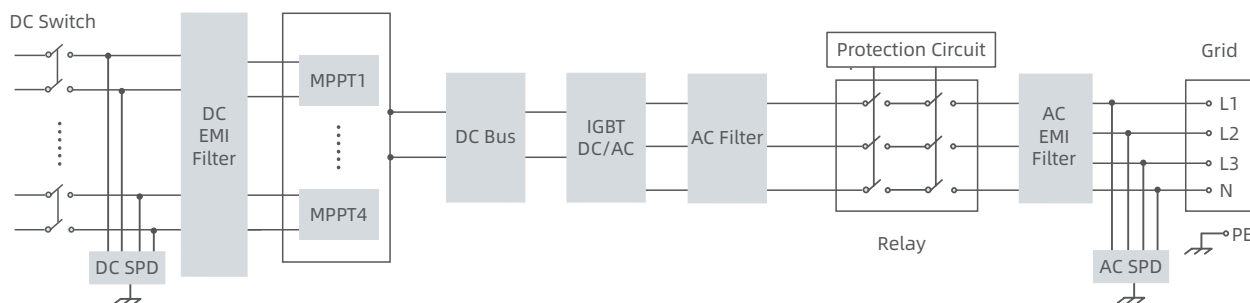
- High precisely & intelligent string detection
- Built-in SPD for surge protection & AFCI function
- Wide AC voltage range for unstable grid
- Built-in PID recovery module (optional)



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 mm²)			
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			

