

HOPEWIND

GREEN C&I SOLUTION

PV Grid-tied Inverter

HSNV60/110K -G02



TIER 1
BloombergNEF

Hopewind is ranked as
Tier 1 Solar Inverter Maker by BNEF

PRELIMINARY

FEATURES



Efficient

- 4 MPPTs with Max. efficiency of 98.50%
- 110% AC overloading
- Up to 20A of MPPT current input to support 210mm & bifacial PV modules



User Friendly

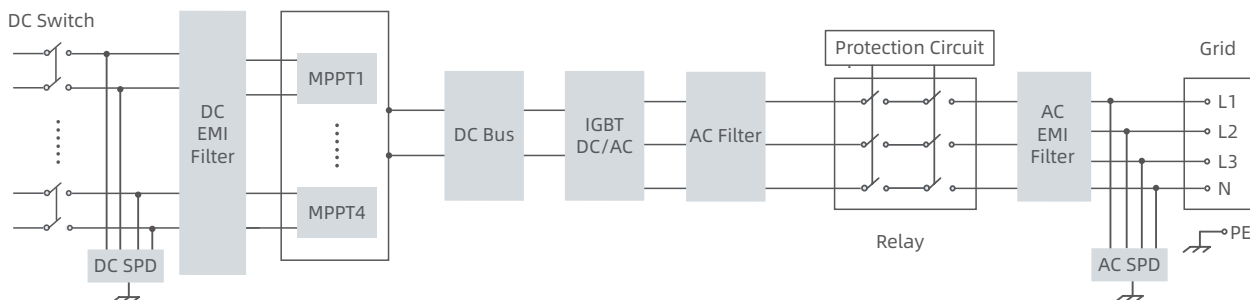
- Built-in zero export function interface
- Supports country grid code preset
- 24/7 monitoring & remote firmware upgrade
- Near-end commissioning via APP



Reliable

- High precisely & intelligent string detection
- DC&AC SPD and DC&AC terminal temperature detection for extra safety
- Wide AC voltage range for unstable grid
- Built-in PID recovery module and many other optional functions

TOPOLOGICAL GRAPH



PARAMETERS

Model	HSNV60K-G02		HSNV110K-G02	
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 × 4			
Number of MPP Trackers	4			
AC Output				
Rated Output Power	60 kW	110 kW		
Max. Output Power	66 kW	121 kW		
Rated Output Voltage	230 V / 400 V (3P + N + PE)			
Operating Voltage Range	300~520 V			
Rated Output Current	86.6 A	158.8 A		
Max. Output Current	95.3 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			
I/V Curve Scanning	Yes			
Zero Export Function	Yes			
PV String Connection Detection	Yes			
DC&AC Terminal Temperature Detection	Yes			
DC Switch	Yes			
Optional	PID recovery, SVG, RSD (Tigo)			
General Parameters				
Dimensions (W × H × D)	953 × 657 × 384 mm			
Weight	≤85 kg			
Ingress Protection	IP66			
Operating Temperature Range	-25~+60°C			
Cooling System	Smart air cooling			
Anti-corrosion	C5 (optional)			
Topology	Transformerless			
Operating Altitude	4000 m (>3000 m derating)			
Display	LED, Wi-Fi + APP			
Communication	RS485 / Wi-Fi, PLC (optional)			
DC Connection Type	DC connector (4~6 mm²)			
AC Connection Type	OT / DT terminal (≤240 mm²)			
Standard Compliance (More Available Upon Request)				
Certification	IEC 62109, IEC 61000, IEC 62920, IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 50549-1, EN 50549-2			

Note: The parameters depicted in the HSNV60/110K-G02 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.



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PRELIMINARY