HOPEWIND

GREEN C&I SOLUTION

HSNV25-50K -G01

TIER **1**
BloombergNEF

Hopewind is ranked as
Tier 1 Solar Inverter Maker by BNEF

FEATURES

Efficient

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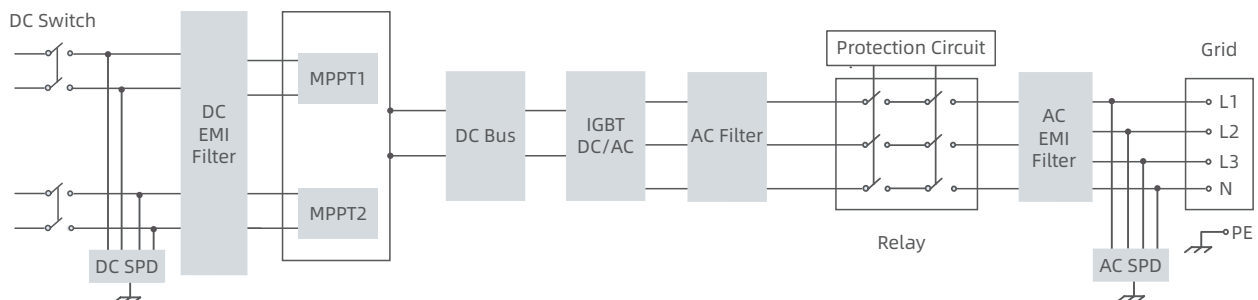
User Friendly

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

Reliable

• Highly precise & intelligent string detection
• Built-in SPD for surge protection & AFCI function
• Wide AC voltage range for unstable grid

TOPOLOGICAL GRAPH

DC Switch

DC EMI Filter

MPPT1

MPPT2

DC SPD

DC Bus

IGBT DC/AC

AC Filter

Protection Circuit

Relay

AC EMI Filter

AC SPD

Grid

L1
L2
L3
N

PE

PARAMETERS

Model	HSNV25K-G01	HSNV30K-G01	HSNV36K-G01	HSNV40K-G01	HSNV50K-G01
DC Input					
Max. Input Voltage			1100 V		
Starting Voltage			180 V		
MPPT Voltage Range			200~1000 V		
Max. Input Current Per MPPT	40 A / 40 A		45 A / 45 A	54 A / 54 A	60 A / 60 A
Max. Short-circuit Current	65 A / 65 A		67.5 A / 67.5 A	81 A / 81 A	90 A / 90 A
Number of DC Inputs	2 / 2		3 / 3		5 / 4
Number of MPP Trackers			2		
AC Output					
Rated Output Power	25 kW	30 kW	36 kW	40 kW	50 kW
Max. Output Power	27.5 kW	33 kW	39.6 kW	44 kW	55 kW
Rated Output Voltage			230 V / 400 V (3P + N + PE)		
Operating Voltage Range			300~520 V		
Rated Output Current	36.1 A	43.5 A	52.0 A	57.7 A	72.2 A
Max. Output Current	39.7 A	47.8 A	57.2 A	63.5 A	79.4 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			98.60%		
European Efficiency			98.30%		
Protection					
PV Reverse Polarity Protection			Yes		
Insulation Impedance Detection			Yes		
Residual Leakage Current Detection			Yes		
Output Overcurrent Protection			Yes		
Anti-Islanding Protection			Yes		
DC Surge Protection			Type II		
AC Surge Protection			Type II		
Zero Export Function			Yes		
PV String Monitoring			Yes		
Arc Fault Circuit Interrupter (AFCI)			Yes		
DC Switch			Yes		
General Parameters					
Dimensions (W × H × D)			520 × 520 × 265 mm		
Weight			≤55 kg		
Ingress Protection			IP65		
Operating Temperature			-40~+60℃		
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			MC4		
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		