

**HOPEWIND**

1100V STRING INVERTER

# HSNV150K-G01

Highest single inverter power for C&I

**TIER 1**  
BloombergNEF

Hopewind is ranked as  
Tier 1 Solar Inverter Maker by BNEF



## FEATURES



### Efficient Power Generation

- 6 MPPTs is adaptable to complex environment, maximizes power generation
- MPPT current of 65 A, fully compatible with 180/210 modules
- Support full-load operation at 45 °C, minimizes power generation losses
- Integrated PID recovery function, enhances system power generation



### Smart and User-friendly

- High-precision intelligent string detection, smart IV curve scanning, and accurate fault identification
- Equipped with HVRT/LVRT function, strong adaptability to weak grid with SCR technology
- Supports nighttime SVG function, enhances grid compatibility and friendliness



### Economical and Eco-friendly

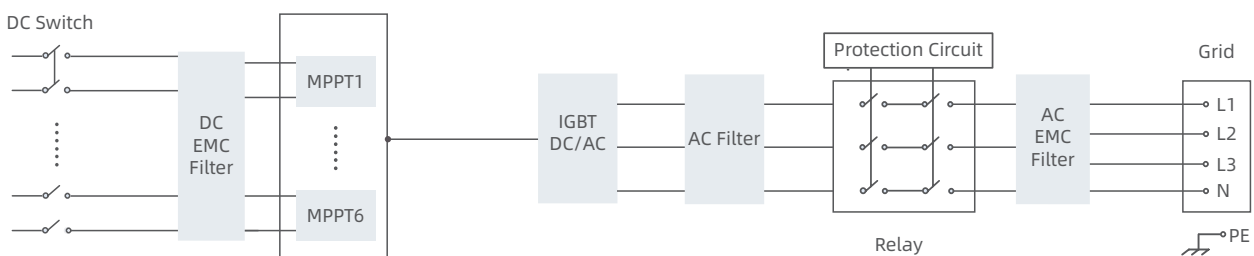
- Supports 4G and PLC communication, ensures low construction costs
- Supports up to 400 m<sup>2</sup> of aluminum wire connections, reduces cable costs
- Higher capacity ratio, reduces LCOE (Levelized Cost of Electricity)



### Safe and Reliable

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

## TOPOLOGICAL GRAPH



# PARAMETERS

Model	HSNV150K-G01
<b>DC Input</b>	
Max. Input Voltage	1100 V
Starting Voltage	200 V
MPPT Voltage Range	200 – 1000 V
MPPT Range Full Load	550 – 850 V
Max. Input Current Per MPPT	65 A
Max. Short-circuit Current Per MPPT	97.5 A
Max. Number of DC Input	4 × 6
Number of MPPTs	6
<b>AC Output</b>	
Rated Output Power	150 kW
Max. Output Apparent Power	165 kVA
Rated Output Voltage	400 V (3P + PE)
Rated Voltage Range	300 – 480 V
Rated Output Current	217 A
Max. Output Current	238 A
Rated Frequency / Frequency Adaptation Range	50 Hz / 60 Hz, 45 – 55 Hz / 55 – 65 Hz
Power Factor	0.8 (leading) to 0.8 (lagging)
Harmonic (THD)	< 3%
<b>Efficiency</b>	
Max. Efficiency	98.80%
European Efficiency	98.10%
<b>Protection</b>	
Surge Protection	DC type II / AC type II
Insulation Impedance Detection	Yes
Residual Leakage Current Detection	Yes
PV String Fault Detection	Yes
PV Reverse Polarity Protection	Yes
Anti-islanding Protection	Yes
Zero Export Function	Yes
Output Overcurrent Protection	Yes
Output Short-circuit Protection	Yes
DC Switch	Yes
IV Curve Scanning	Yes
PID	Yes
<b>General Parameters</b>	
Dimensions (W × H × D)	1172 × 805 × 350 mm
Weight	≤ 110 kg
Ingress Protection	IP66
Operating Temperature	-40 – +60 °C (> 45 °C derating)
Cooling System	Smart air cooling
Storage Temperature	-40 – +70 °C
Humidity	0 – 100%, (non-condensation)
Topology	Transformerless
Operating Altitude	4000 m
Display	LED indicator + APP
Communication	RS485 / PLC / Wi-Fi / 4G
DC Connection Type	MC4 (plug-in terminals)
AC Connection Type	OT / DT terminals (up to 400 mm <sup>2</sup> )

