HOPEWIND

GREEN C&I SOLUTION

HSNV150K -G01

FEATURES

Efficient Power Generation

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

Safe and Reliable

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

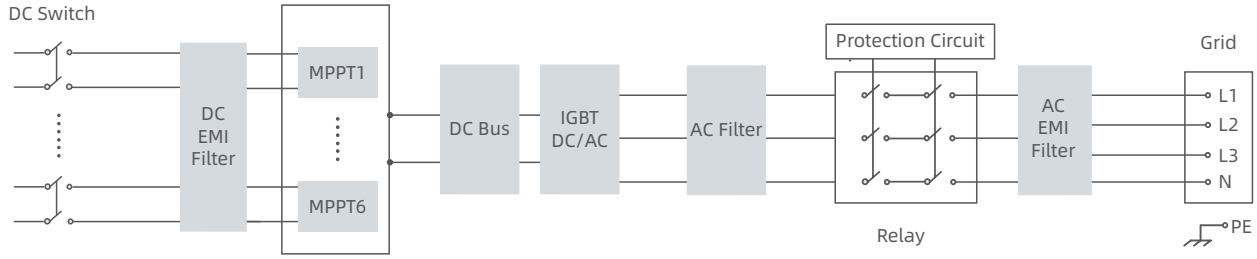
Economical and Eco-friendly

- Supports Wi-Fi and PLC communication, ensures low construction costs
- Supports up to 400mm^2 of aluminum wire connections, reduces cable costs
- Higher capacity ratio, redues LCOE (Levelized Cost of Electricity)

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

TOPOLOGICAL GRAPH



PARAMETERS

Model	HSNV150K-G01
DC Input	
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
AC Output	
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	216.5 A
Max. Output Current	238.2 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%
Efficiency	
Max. Efficiency	98.80%
European Efficiency	98.10%
Protection	
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
Optional	IV Curve Scanning, PID
General Parameters	
Dimensions (W × H × D)	1132 × 847 × 385 mm
Weight	≤110 kg
Ingress Protection	IP66
Operating Temperature	-40~+60℃ (>45℃ derating)
Cooling System	Smart air cooling
Storage Temperature	-40~+70℃
Humidity	0~100% (non-condensation)
Topology	Transformerless
Operating Altitude	4000 m
Display	LED indicator + APP
Communication	RS485 / PLC / Wi-Fi
DC Connection Type	MC4 (plug-in terminals)
AC Connection Type	OT / DT terminals (up to 400 mm^2)

Note: The contents of the preliminary version are parameters for planned development and do not constitute a commitment to product performance.