

# HSNV75K-L -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
- Support full-load operation at 45°C, minimizes power generation losses



### 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



### Economical and Eco-friendly

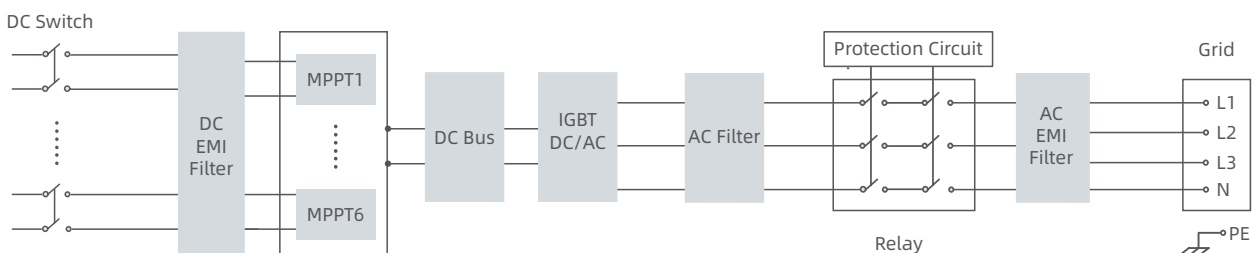
- Supports Wi-Fi communication, ensures low construction costs
- Supports up to 400mm<sup>2</sup> of aluminum wire connections, reduces cable costs
- Higher capacity ratio, reduces LCOE (Levelized Cost of Electricity)



### 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	HSNV75K-L-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	75 kW
Max. Output Apparent Power	75 kVA
Rated Output Voltage	220 V (3W + N + PE)
Rated Voltage Range	165~286 V
Rated Output Current	196.8 A
Max. Output Current	196.8 A
Rated Frequency	60 Hz
Power Factor	0.8 (leading) to 0.8 (lagging)
Harmonic (THDi)	<3%
<b>Efficiency</b>	
Max. Efficiency	98.0%
European Efficiency	97.5%
<b>Protection</b>	
Surge Protection	DC type II / AC type II
Insulation Impedance Detection	Yes
Residual Leakage Current Detection	Yes
PV String Connection Detection	Yes
PV Reverse Polarity Protection	Yes
Anti-islanding Protection	Yes
Zero Export Function	Yes
Output Overcurrent Protection	Yes
Output Short-circuit Protection	Yes
Smart I/V Curve Diagnosis	Yes
DC Switch	Yes
<b>General Parameters</b>	
Dimensions (W × H × D)	1132 × 847 × 385 mm
Weight	≤110 kg
Ingress Protection	IP66
Operating Temperature	-40~+60°C (>45°C derating)
Cooling System	Smart air cooling
Anti-corrosion	C5 (optional)
Storage Temperature	-40~+70°C
Humidity	0~100% (non-condensation)
Topology	Transformerless
Operating Altitude	4000 m
Display	LED indicator + APP
Communication	RS485 / Wi-Fi
DC Connection Type	DC connector (4~6 mm <sup>2</sup> )
AC Connection Type	OT / DT terminal (≤400 mm <sup>2</sup> )

