

PV STRING INVERTER

**HSNV60 – 75K
-G01****FEATURES****Efficient**

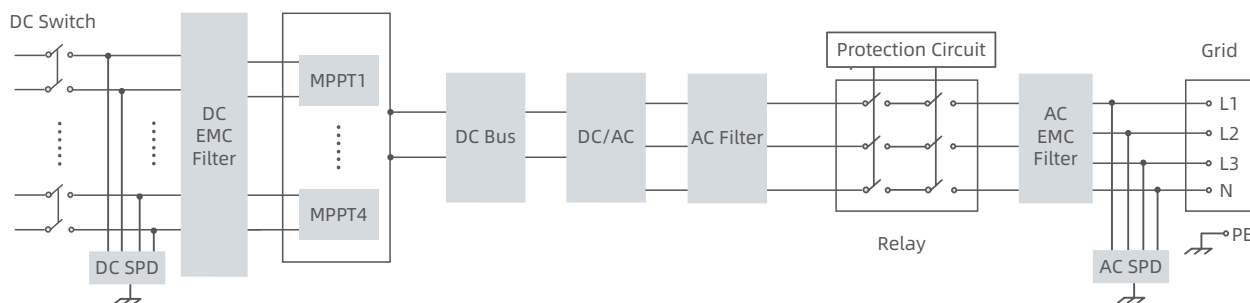
- 4 MPPTs with Max. efficiency of 98.50%
- 110% AC overloading
- Up to 20 A of MPPT current input to support 210 mm & bifacial PV modules

**Reliable**

- High precisely & intelligent string detection
- Built-in SPD for surge protection & AFCI function
- Wide MPPT voltage range for unstable grid
- Built-in PID recovery module (optional)

**User Friendly**

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

TOPOLOGICAL GRAPH

PARAMETERS

Model	HSNV60K-G01		HSNV70K-G01	HSNV75K-G01
DC Input				
Max. Input Voltage	1100 V			
Starting Voltage	180 V			
MPPT Voltage Range	200 – 1000 V			
Max. Input Current Per MPPT	45 A / 45 A / 45 A / 45 A			
Max. Short-circuit Current	60 A / 60 A / 60 A / 60 A			
Number of DC Inputs	3 / 3 / 3 / 3			4 / 3 / 3 / 4
Number of MPP Trackers	4			
AC Output				
Rated Output Power	60 kW	70 kW	75 kW	
Max. Output Power	66 kW	77 kW	82.5 kW	
Rated Output Voltage	230 V / 400 V (3P + N + PE)			
Operating Voltage Range	300 – 520 V			
Rated Output Current	86.6 A	101.0 A	108.3 A	
Max. Output Current	95.3 A	111.1 A	119.1 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	98.50%			
European Efficiency	98.20%			
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			
I/V Curve Scanning	Yes			
Zero Export Function	Yes			
PV String Monitoring	Yes			
Arc Fault Circuit Interrupter (AFCI)	Yes			
PID Recovery	Optional			
DC Switch	Yes			
General Parameters				
Dimensions (W × H × D)	705 × 650 × 285 mm			
Weight	≤80 kg			
Ingress Protection	IP65			
Operating Temperature Range	-40 – +60 °C			
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, IEC 61683, EN 50549-1, EN 50549-2, VDE 4105, VDE 4110, VDE 4120			

