

HSHV320/330/ 350/385K -G01



FEATURES



Efficient

- 8 MPPTs adapts to complex conditions
- 60A MPPT current, compatible with all types modules
- Full power operation at high temperature of 45°C (385K@40°C)
- Advanced SIC design, better efficiency & life time



Intelligent Friendly

- Intelligent I-V scanning to accurately identify abnormal strings
- Support SVG function, SCR weak grid adaptability
- Integrated with Aux. switch, initial debugging at any time
- Support Intelligent fan reverse dust removal



Reliable

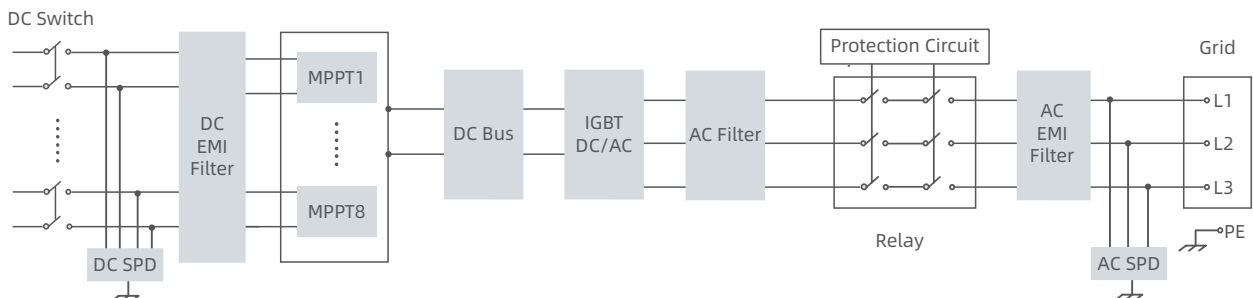
- IP66, C5 anti-corrosion for harsh environment
- AFCI (optional), DC&AC terminal temperature protection with smart DC switch
- Explosion relief valve for on-site personal safety



Economy Friendly

- Wi-Fi/PLC communication to reduce wiring costs
- Compatible with Aluminium AC cable up to 400mm²
- Supports Dual-AC cable output for better installation
- PID recovery/Anti-PID function, more energy, less maintenance

TOPOLOGICAL GRAPH



PARAMETERS

Model	HSHV320K-G01	HSHV330K-G01	HSHV350K-G01	HSHV385K-G01
DC Input				
Max. Input Voltage	1500 V			
Starting Voltage	550 V			
MPPT Voltage Range	500~1500 V			
MPPT Range Full Load	860~1300 V			
Max. Input Current Per MPPT	60 A			
Max. Short-circuit Current	90 A			
Number of DC Inputs	8 × 4			
Number of MPP Trackers	8			
AC Output				
Rated Output Power	320 kW	330 kW	350 kW	385 kW
Max. Output Power	320 kW	330 kW	350 kW	385 kW
Rated Output Voltage	800 V (3W + PE)			
Operating Voltage Range	640~920 V			
Rated Output Current	230.9 A	238.2 A	252.6 A	277.9 A
Max. Output Current	230.9 A	238.2 A	252.6 A	277.9 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	99.01%			
European Efficiency	98.70%			
Protection				
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			
Output Overcurrent Protection	Yes			
DC Switch	Yes			
DC&AC Terminal Temperature Protection	Yes			
Intelligent Fan Reverse Function	Yes			
PID Recovery	Yes			
SVG Function	Yes			
Optional	AFCI, anti-PID			
General Parameters				
Dimensions (W × H × D)	1135 × 919 × 416 mm			
Weight	≤142 kg			
Protection Degree	IP66			
Anti-corrosion Degree	C5 (optional)			
Operating Temperature Range	-25~+60°C			
Cooling System	Smart air cooling			
Topology	Transformerless			
Operating Altitude	4000 m (>3000 m derating)			4000 m (>2000 m derating)
Display	LED indicator, Wi-Fi / APP			
Communication	RS485 / PLC			
DC Connection Type	DC connector (4~6 mm ²)			
AC Connection Type	OT / DT / DTL terminal (≤400 mm ²)			
Standard Compliance (More Available Upon Request)				
Certification	IEC 62109, IEC 61000, IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 62920, IEC 63027, EN 50530, EN 50549-1, EN 50549-2, CEA, MEA (385K-G01), PEA (385K-G01)			

