

PV STRING INVERTER

HSHV330/350/ 385K-G02



FEATURES



Efficient

- 8 MPPTs with Max. efficiency 99.01%
- 20 A DC input & 65 A MPPT current, compatible to all types modules
- Full power operation at high temperatures
- Available for tracking system, improving yield



Reliable

- IP66 & optional C5 anti-corrosive for harsh environment
- Low SCR, compatible with weak grid situations
- Built-in SPD type II for both DC&AC



Convenient O&M

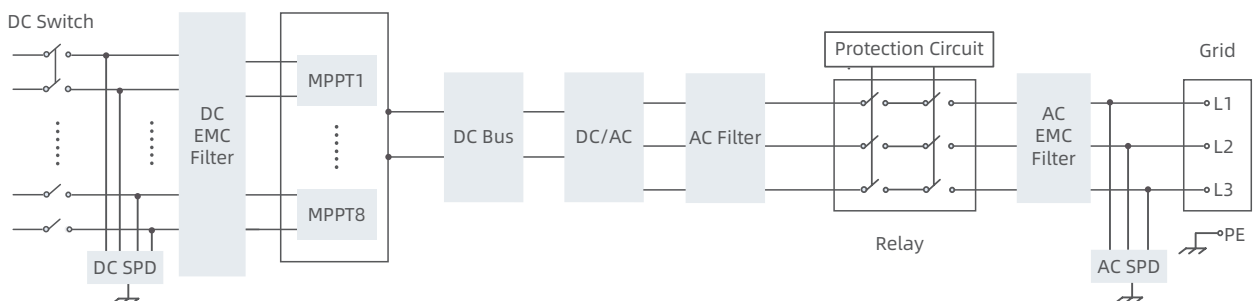
- 24/7 continuously monitoring
- Remote firmware upgrade
- Smart IV curve diagnosis



Lower Cost

- AC-side Aluminium cable compatibility
- PLC communication to reduce wiring costs
- PID recovery & night SVG (optional)

TOPOLOGICAL GRAPH



PARAMETERS

Model	HSHV330K-G02		HSHV350K-G02		HSHV385K-G02	
DC Input						
Max. Input Voltage			1500 V			
Starting Voltage			550 V			
MPPT Voltage Range			500 – 1500 V			
MPPT Range Full Load			960 – 1300 V			
Max. Input Current Per MPPT			65 A			
Max. Short-circuit Current			97.5 A			
Number of DC Inputs			8 × 4			
Number of MPP Trackers			8			
AC Output						
Rated Output Power	330 kW		350 kW		385 kW	
Max. Output Power	330 kW		350 kW		385 kW	
Rated Output Voltage			800 V (3P + PE)			
Operating Voltage Range			640 – 920 V			
Rated Output Current	238.2 A		252.6 A		277.9 A	
Max. Output Current	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 (THD)			<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 Fault Detection			Yes			
PV Reverse Polarity Protection			Yes			
Anti-Islanding Protection			Yes			
Output Overcurrent Protection			Yes			
DC Switch			Yes			
AFCI			Yes			
Smart IV Curve Diagnosis			Yes			
PID Recovery			Yes			
Night SVG Function			Optional			
General Parameters						
Dimensions (W × H × D)			1224 × 925 × 378 mm			
Weight			154 kg			
Protection Degree			IP66			
Operating Temperature Range			-25 – +60 °C			
Cooling System			Smart air cooling			
Standby Power Consumption			<24 W			
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			MC4			
AC Connection Type			OT / DT terminal (≤ 400 mm ²)			