

HOPEWIND

GREEN UTILITY SOLUTION

PV Grid-tied Inverter

HSHV320/330/ 350/385K -G02

TIER 1

BloombergNEF

Hopewind is ranked as
Tier 1 Solar Inverter Maker by BNEF



PRELIMINARY

FEATURES



Higher Performance

- 65A 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



More Reliable

- IP66 & optional C5 anti-corrosive for harsh environment
- Low SCR, compatible with weak grid situations
- AFCI, DC&AC temperature protection with smart DC switch
- Explosion relief valve for on-site personal safety



Lower Cost

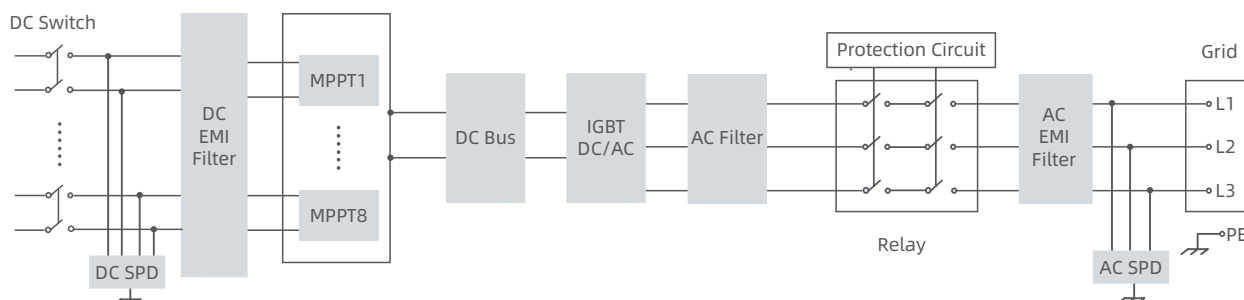
- Compatible with Aluminium cable of AC-side
- PLC communication to reduce wiring costs
- Anti-PID & SVG



Convenient O&M

- Integrated with Aux. switch, initial debugging at any time
- 24/7 continuously monitoring
- Fault waveform recording on hopeCloud
- Smart IV curve diagnosis

TOPOLOGICAL GRAPH



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PARAMETERS

Model	HSHV320K-G02		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	320 kW		330 kW		350 kW		385 kW	
Max. Output Power	320 kW		330 kW		350 kW		385 kW	
Rated Output Voltage	800 V (3P + 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							
Grid Frequency Range	45~55 Hz / 55~65 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							
PID Recovery	Yes							
Optional	AFCI, smart IV curve diagnosis, SVG function							
General Parameters								
Dimensions (W × H × D)	1208 × 967 × 396 mm							
Weight	155 kg							
Protection Degree	IP66							
Operating Temperature Range	-30~+60℃ ^①							
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 mm²)							
AC Connection Type	OT / DT terminal (≤400 mm²)							

① Able to start at -40°C.

Note: The parameters depicted in the HSHV320-385K-G02 datasheet are preliminary version and shall not serve as a binding reference for product performance compliance. The final product specifications shall prevail per the actual shipped products.

