

PV STRING INVERTER

HSHV 385K**FEATURES****Efficient**

- 8 MPPTs with Max. efficiency 99.01%
- Up to 20A PV input current supports 210mm & bifacial PV modules
- Highly-precise intelligent string detection

**Reliable**

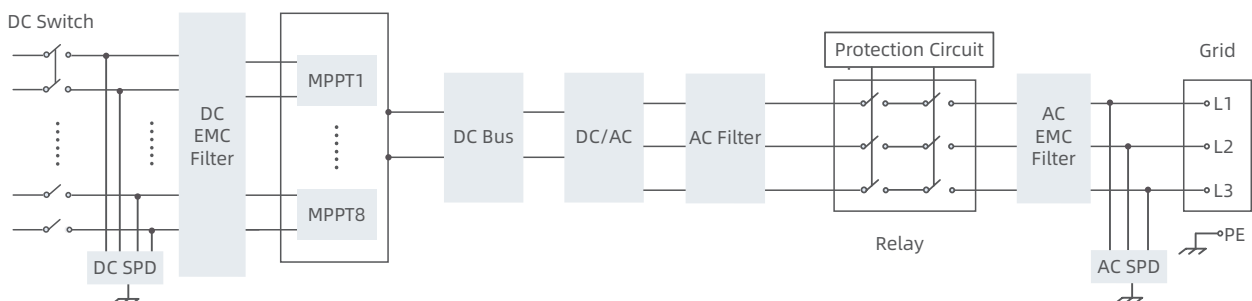
- Built-in SPD modules
- Built-in PID recovery function (optional)
- Compatible in harsh environmental conditions
- Fault strings automatic disconnection function

**Convenient O&M**

- Active and reactive power regulation
- Compatible with weak grid situation
- 24/7 continuously monitoring
- Remote firmware upgrade

**Economy Friendly**

- AC-side Aluminium cable compatibility
- PLC communication
- Night SVG function (optional)

TOPOLOGICAL GRAPH

PARAMETERS

Model	HSHV 385K
DC Input	
Max. PV Input Power	525 kW
Max. Input Voltage	1500 V
Starting Voltage	500 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	8 × 90 A
Number of DC Inputs	4 × 8
Number of MPP Trackers	8
AC Output	
Rated Output Power	385 kW
Rated Output Voltage	800 V (3P + PE)
Operating Voltage Range	680 – 920 V
Max. Output Current	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	98.52%
Protection	
SPD	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
General Parameters	
Dimensions (W × H × D)	1135 × 919 × 416 mm
Weight	≤135 kg
Protection Degree	IP66
Operating Temperature Range	-25 – +60 °C
Cooling System	Smart air cooling
Standby Power Consumption	10 W
Topology	Transformerless
Operating Altitude	4000m (>3000m derating)
Display	LED indicator / Wi-Fi + APP
Communication	RS485 / PLC
DC Connection Type	MC4
AC Connection Type	OT / DT terminal

