

SP-350K-HB1

SP Series String Inverter

More power generation

- Max. efficiency 99%, Euro efficiency 98.8%
- 6MPPTs for tracking maximum PV power
- Supports bifacial PV modules with max. MPPT current 75A

High reliability

- Cooling fan with IP68 protection level
- Integrated string monitoring function
- Standard connection terminal for quick installation

Low system cost

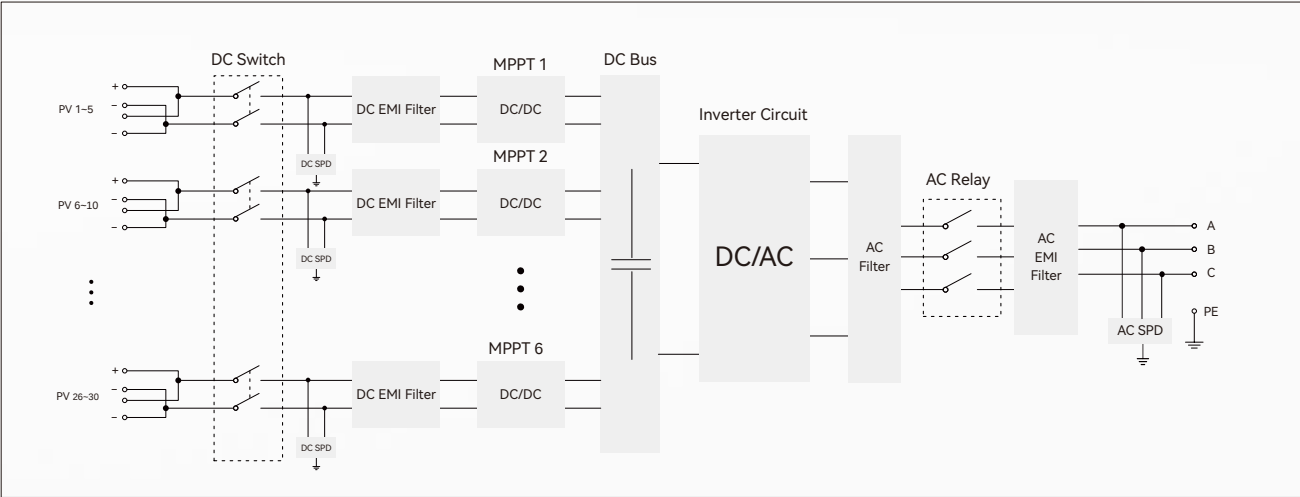
- Support 30 PV strings
- Support aluminum cable access, saving cable costs
- Support PLC communication, save communication cable

Grid friendly

- LVRT and HVRT function
- Active & Reactive power control



Circuit Diagram



Model	SP-350K-HB1
Input (DC)	
Max. PV input voltage	1500V
MPPT Max. input current	75A*6
Rated input voltage	1080V
MPP voltage range	500~1500V
MPP voltage range for nominal power	860~1300V
Number of MPPT trackers	6
Max. number of PV strings	30
Output (AC)	
AC output power	352kW@30°C / 320kW@40°C / 305kW@50
Max. output power	352kW
Rated grid voltage	800V
Grid voltage range	640~920V
Max. output current	254A
Rated grid frequency/range	50Hz/45~55Hz, 60Hz/55~65Hz
Output current harmonic (at nominal power)	<3%
Power factor at nominal power/range	>0.99/0.8leading to 0.8lagging
Protection	
DC reverse connection protection	Yes
Over voltage protection	DC Type II/AC Type II
Leakage current protection	Yes
Grid monitoring	Yes
Insulation monitoring	Yes
Anti-island protection	Yes
Efficiency	
Max. efficiency	99.0%
EU efficiency	98.8%
General Data	
Isolation method	Transformerless
Self-consuming in night	<3.5W
Protection level	IP66
Temperature	-30°C ~ +60°C
Allowed humidity (non condensing)	0~100%
Cooling mode	Temperature controlled forced air cooling
Max.operating altitude	Max. 5000m, Without derating upto 3000m
Communication port	Standard: PLC, Optional: RS485
Certificates and approvals (more available on request)	CE, IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC 61000 & SAGC 3.1
Dimensions (W×H×D)	1272×735×403mm
Weight	135kg