SP-350K-H1

SP Series String Inverter

More power generation

- Max. efficiency 99%, Euro efficiency 98.8%
- 12MPPTs for tracking maximum PV power
- Supports bifacial PV modules with max. PV current 22.5A

Low system cost

- Up to 24(28/32 optional) PV strings
- Support aluminum cable access, saving cable costs
- Support PLC communication, save communication cable

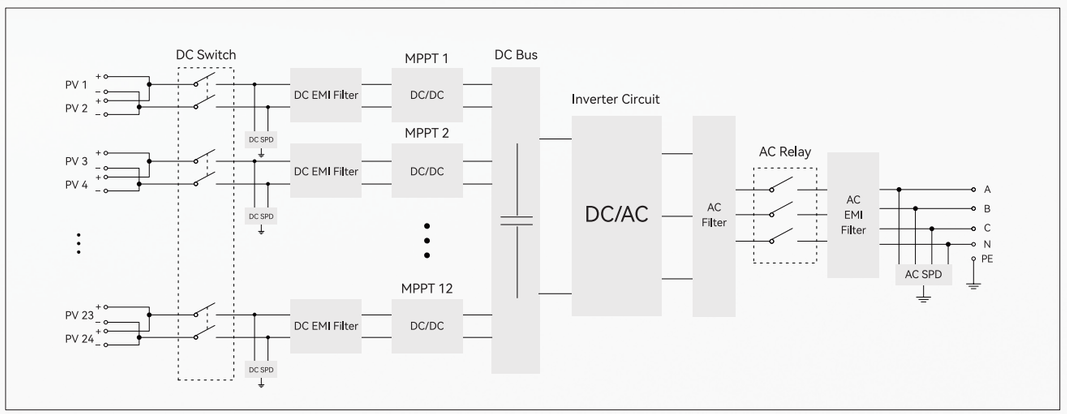
High reliability

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

Grid friendly

- LVRT and HVRT function
- Active & Reactive power control

Circuit Diagram



Model	SP-350K-H1
Input (DC)	
Max. PV input voltage	1500V
MPPT Max. input current	45A*12
Rated input voltage	1080V
MPP voltage range	500~1500V
MPP voltage range for nominal power	880~1300V
Number of MPPT trackers	12
Max. number of PV strings	24(Optional:28/32)
Output (AC)	
Rated output power	352kW@30℃/320kW@40℃/295kW@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
Overvoltage 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℃ ~ +60℃
Allowed humidity (non condensing)	0-100%
Cooling mode	Temperature controlled forced air cooling
Max.operating altitude	4000m
Communication port	Standard: PLC, Optional: RS485
Certificates and approvals (more available on request)	CE,IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC61000
Dimensions (W×H×D)	1350×735×350mm
Weight	140kg