

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

High reliability

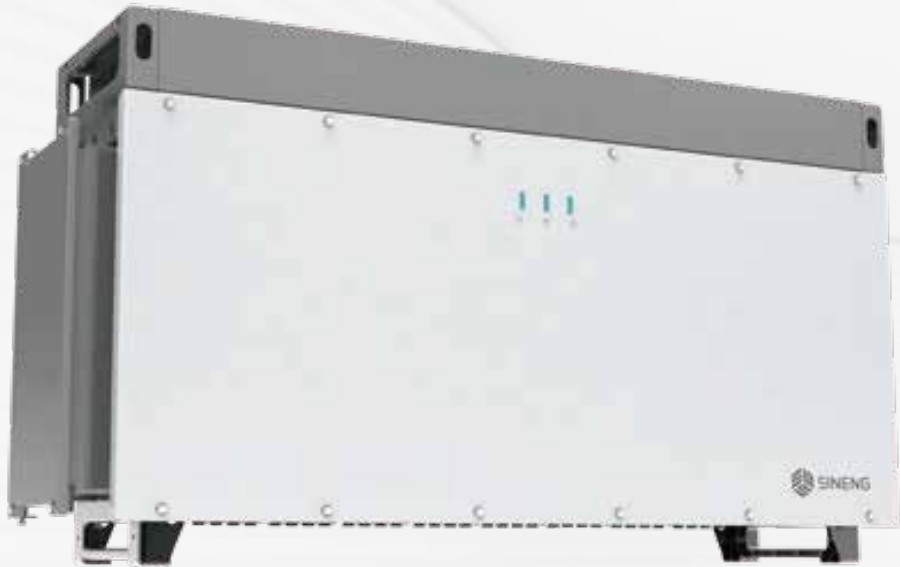
- Cooling fan with IP68 protection level
- Integrated string monitoring function
- Standard connection terminal for quick installation

Low system cost

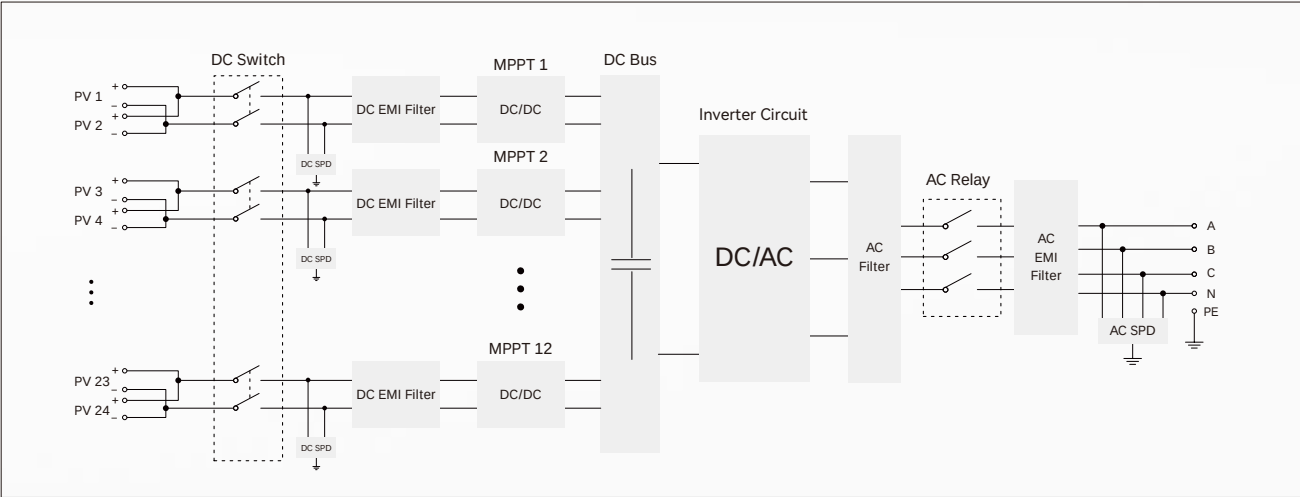
- Up to 24(28/32 optional) PV strings
- Support aluminum cable access, saving cable costs
- Support PLC communication, save communication cable

Grid friendly

- LVRT and HVRT function
- Active & Reactive power control



Circuit Diagram



Model		SP-350K-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)		
AC output power	352kW@30°C/320kW@40°C/295kW@50°C	
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	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	