

# 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



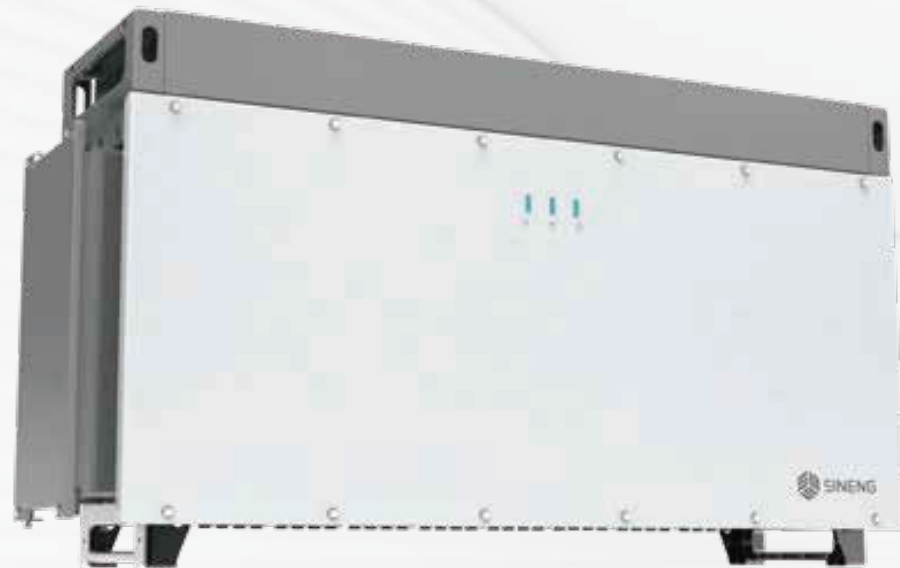
### High reliability

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

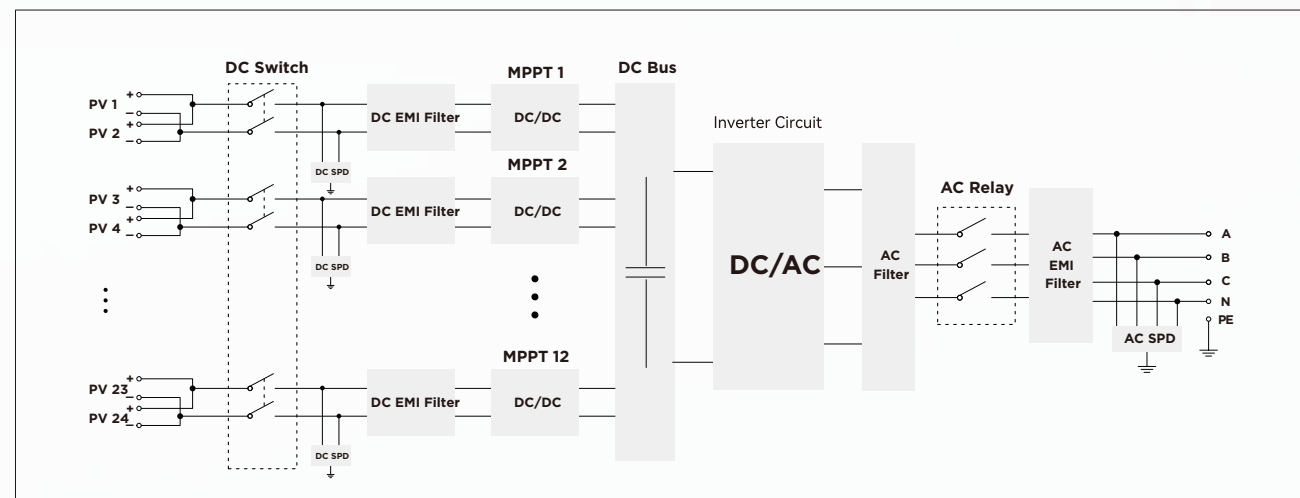


### Grid friendly

- 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)		
AC 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
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 ~+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, IEC 60529, EN50530, EN62920, EN50549
Dimensions (W×H×D)		1350×735×350mm
Weight		140kg