

# SP-100K-L

## SP Series String Solar Inverter



### More power generation

Max. efficiency 99%, Euro efficiency 98.70%  
9 MPPTs for tracking maximum PV power  
Supports bifacial PV modules with max. PV current 13A



### Low system cost

Up to 18 PV strings  
Support aluminum cable access, saving cable costs  
Support GPRS communication, save communication cable



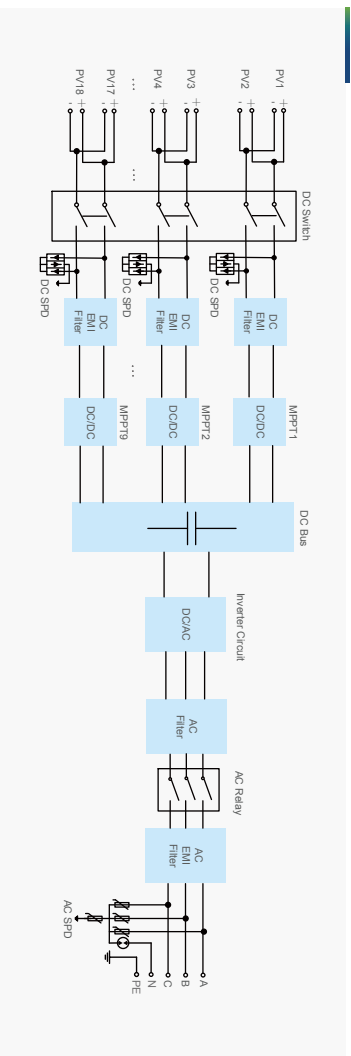
### High reliability

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



### Grid friendly

Active power derating and reactive power adjustable  
Low harmonics and fast response for grid regulation



## Circuit

### Input (DC)

Max. PV input voltage	1100V
Max. input current	26A/9
Rated input voltage	600V
MPP voltage range	200~1000V
MPP voltage range for nominal power	550~850V
Number of MPPT trackers	9
Max. number of PV strings per MPPT	2

### Output (AC)

Rated output power	100kW
Max. output power	110kW
Rated grid voltage	380V/400V
Grid voltage range	320~480V
Max. output current	161A
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%
EU efficiency	98.70%

### General Data

Isolation method	Transformerless
Self-consuming in night	<3.5W
Protection level	IP65
Noise	<60dB
Temperature	-30 C ~+60 C
Allowed humidity (non condensing)	0~100%
Cooling mode	Temperature controlled/forced air cooling
Max. operating altitude	4000m (>3000m derating)
Communication port	Standard/RS485, Optional/GPRS
Dimensions (WxHxD)	1018x630x338mm
Weight	85kg