

Single Phase Grid-connected PV Inverter

SI-1K-S2/SI-1.5K-S2/SI-2K-S2/SI-2.5K-S2/SI-3K-S2/SI-3.3K-S2



Stable

The chassis adopts high protection design, prolong life time, performance well in extreme environment.



Safe

IP 65 protection for indoor and outdoor installation. AC and DC surge protection guarantee system safety.



Flexible

Transformer-less, smaller and lighter. Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%.



Reliable

Key components are from first rank brand supplier worldwide. R&D team are experienced experts in string inverter circle, proven technology create reliable quality.



Smart

One-button safety setting, easy configuration of all parameters. Built-in independence RTC chip data storage of 25 years.



Easy use

Integrated RS232/WIFI/GPRS, RS485 port, for improved communication. Free monitoring anytime anywhere. Local and remote intelligent maintenance by PC and Apps.

Technical Data	SI-1K-S2	SI-1.5K-S2	SI-2K-S2	SI-2.5K-S2	SI-3K-S2	SI-3.3K-S2
Input Data						
Max. DC input power	1300W	1950W	2600W	3250W	3900W	3900W
Max. DC input voltage	500V					
Operation voltage range	60V-500V					
Number of independent MPPT / strings per MPPT	1/1					
MPPT max. current	14A					
Max.Short Circuit Current per MPPT	18A/18A					
AC Output Data						
Rated output power	1kW	1.5kW	2kW	2.5kW	3kW	3.3kW
Max. output power	1.1kW	1.65kW	2.2kW	2.75kW	3.3kW	3.3kW
Rated output voltage	220V,230V/±20%					
Rated output frequency	50Hz,60Hz/±5Hz					
Rated output current	4.4A	6.6A	8.7A	10.9A	13.1A	14.5A
Max. output current	5A	7.5A	10A	12A	14.5A	14.5A
Power factor	-0.8~+0.8(adjustable)					
THDi	<3%(Nominal Output)					
Grid system pattern	L+N+PE					
Efficiency						
Max. efficiency	97.6%					
Europe efficiency	96.8%					
Protection						
Input DC switch	Yes					
Input over current protection	Yes					
DC reverse polarity protection	Yes					
Output over voltage protection	Yes					
Output over current protection	Yes					
Anti islanding protection	Yes					
Insulation impedance protection	Yes					
RCD detection	Yes					
General Data						
Dimensions(W/L/H)in mm	265/310/140					
Weight	7.2kg					
Noise	<25dB					
Operation temperature range	-25°C~+60°C					
Heat dissipation mode	Natural					
IP Class	IP65					
Maximum altitude	4000m					
Self-Consumption night	<1w					
Topology	Transformerless					
Features						
LCD display	Yes					
Communication interface	WIFI/4G/GPRS/RS485(optional)					
Warranty	5 years (standard)					
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777					