

Single Phase Grid-connected PV Inverter

SI-7K-S2/SI-8K-S2/SI-9K-S2/SI-10K-S2



Stable

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



Flexible

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



Smart

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



Safe

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



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.



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-7K-S2	SI-8K-S2	SI-9K-S2	SI-10K-S2
Input Data				
Max. DC input power	9100W	10400W	11700W	13000W
Max. DC input voltage	550V			
Operation voltage range	80V-540V			
Number of independent MPPT / strings per MPPT	3/1+1+1			
MPPT max. current	14A/14A/14A			
Max.Short Circuit Current per MPPT	18A/18A/18A			
AC Output Data				
Rated output power	7kW	8kW	9kW	10kW
Max. output power	7.7kW	8.8kW	9.9kW	10kW
Rated output voltage	220V,230V/±20%			
Rated output frequency	50Hz,60Hz/±5Hz			
Rated output current	30.5A	35A	39.2A	43.5A
Max. output current	34A	38.5A	43A	44A
Power factor	-0.8~+0.8(adjustable)			
THDi	<3%(Nominal Output)			
Grid system pattern	L+N+PE			
Efficiency				
Max. efficiency	98.4%			
Europe efficiency	97.5%			
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	358/400/180			
Weight	16kg			
Noise	<25dB		<45dB	
Operation temperature range	-25°C~+60°C			
Heat dissipation mode	Natural		Smart cooling	
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			