

Single Phase Grid-connected PV Inverter

SI-3.6K-S2/SI-4K-S2/SI-4.6K-S2/SI-5K-S2/SI-6K-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-3.6K-S2	SI-4K-S2	SI-4.6K-S2	SI-5K-S2	SI-6K-S2
Input Data					
Max. DC input power	4700W	5500W	6000W	6500W	7800W
Max. DC input voltage	550V				
Operation voltage range	80V-540V				
Number of independent MPPT / strings per MPPT	2/1+1				
MPPT max. current	14A/14A				
Max.Short Circuit Current per MPPT	18A/18A				
AC Output Data					
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW
Max. output power	4kW	4.4kW	5kW	5.5kW	6.6kW
Rated output voltage	220V,230V/±20%				
Rated output frequency	50Hz,60Hz/±5Hz				
Rated output current	15.7A	18A	20A	21.8A	26.1A
Max. output current	17.3A	20A	22A	24A	29A
Power factor	-0.8~+0.8(adjustable)				
THDi	<3%(Nominal Output)				
Grid system pattern	L+N+PE				
Efficiency					
Max. efficiency	98.2%				
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	330/312/188				
Weight	11.4kg				
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				