

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		
AC Output Data					

Rated output power	3.6kW	4kW	4.4kW	4.6kW	5kW	5.5kW	6kW
Max. output power	4kW	4.4kW	4.6kW	5kW	5.5kW	6kW	6.6kW
Rated output voltage	230V/ 180V-280V						
Rated output frequency	50Hz,60Hz/±5Hz						
Rated output current	15.7 A	18 A	19.5 A	20A	21.8 A	24A	26.1 A
Max. output current	17.3 A	20A	21.5 A	22A	24A	26A	29A
Power factor	-0.8~+0.8(adjustable)						
THDi	<3%(Nominal Output)						
Grid system pattern	L+N+PE						
Efficiency	92%~98%						

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 /1 88
Weight	11.4 kg
Noise	<25dB
Operation temperature range	-25°C~+60°C
Heat dissipation mode	Natural
IP Class	IP 65
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