230V Single Phase Grid-connected PV Inverter

SI-3.6/6K-S2

- LED display, touch button design, direct data view
- Maximum efficiency 98.2%, more power generation 14A string current, suitable for high current high efficiency module applications
- Dual MPPT, support for parallel connection for greater adaptability
- 130% DC over configuration, 110% AC overload output; Wide DC voltage range
- IP65 protection, built-in SPD protection for safety and reliability
- Intelligent remote monitoring
- Support anti-backflow function

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	14 A/14A				
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	230V/ 180V-280V				
Rated output frequency	50Hz,60Hz/±5Hz				
Rated output current	15.7 A	18 A	20A	21.8 A	26.1 A
Max. output current	17.3 A	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 /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				