

Single-Phase
Grid-Connected Inverter
SI-3.6~6K-S2



- LED display, touch button design, direct data view
- Maximum efficiency 97.6%, more power generation
- 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. PV access power	7200W	8000W	9200W	10000W	12000W
Max. PV input power	4700W	5500W	6000W	6500W	7800W
Max. PV input voltage			550V		
Operation voltage range	80V-540V				
Number of independent MPPT/ strings per MPPT			2/1		
MPPT max. current	20A/20A				
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				
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	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 (L/W/H) in mm			330/188/312		
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	PORTARIA INMETRO N°140, DE 21 DE MARÇO, ABNT NBR 16150, IEC 62116, IEC 62109, IEC 62891, CISPR 11, AMD, IEC 61000, IEC 62920, IS 16221, IS 16169				