

## Single-Phase Grid-Connected Inverter SI-7~10K-S2



- LED display, touch button design, direct data view
- Maximum efficiency 97.6%, dual MPPT, more power generation
- With 3-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-7K-S2	SI-8K-S2	SI-9K-S2	SI-10K-S2
<b>Input Data</b>				
Max. PV access power	14000W	16000W	18000W	20000W
Max. PV input power	9100W	10400W	11700W	13000W
Max. PV input voltage	550V			
Operation voltage range	80V-540V			
Number of independent MPPT/ strings per MPPT	3/1			
MPPT max. current	14A/14A/14A			
<b>AC Output Data</b>				
Rated output power	7kW	8kW	9kW	10 kW
Max. output power	7.7kW	8.8kW	9.9kW	10 kW
Rated output voltage	230V/180V-280V			
Rated output frequency	50Hz/60Hz			
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			
<b>Efficiency</b>				
Max. efficiency	97.6%			
Europe efficiency	96.8%			
<b>Protection</b>				
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			
<b>General Data</b>				
Dimensions (L/W/H) in mm	358/180/400			
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			
<b>Features</b>				
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			