

SINGLE PHASE STRING INVERTER

7y9 KW (CSI-7K-S2203A-E) |(CSI-9K-S2203A-E)

Canadian Solar's is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 46 GW deployed around the world since 2001.

KEY FEATURES:

- Enhance Solar System Output Support high current PV modules with 15A Operation current.
- Maximum efficiency of 98.1%, H6 Plus high efficient topology with Maximum efficiency 98.1% ,Europe 97.5%.

7 YEARS Estándar warranty, extention up to 10 years.



SYSTEM TECHNICAL DATA				
MODEL NAME	CSI-7K-S2203A-E	CSI-9K-S2203A-E	CSI-7K-S2203A-E	CSI-9K-S2203A-E
DC INPUT		AC OUTPUT		
Max. DC Input Voltage (V)	600	Rated Output Power (W)	7000	9000
Start-up DC Input Voltage (V)	110	Max. Output Power (W)	7000	9000
MPPT Operating Voltage Range (V)	100-500	AC Grid Connection Type	L / N / PE	
Rated Input Voltage (V)	360	AC Nominal Voltage And Range (V)	220/230/240 (180-280)	
Max. Input Current (A)	15 / 30	AC Nominal Frequency And Range (Hz)	50/60 (±5)	
Max. Short-Circuit Current (A)	18.8 / 37.6	Max. Output Current (A)	31.8	40.9
Number of MPP Trackers	2	Power Factor (@Rated Output Power)	>0.99	
Number of DC Inputs	1/2	Displacement Power Factor	0.8 leading to 0.8 lagging	
Total Harmonic Distortion (THDi)			< 3%	

GENERAL PARAMETERS		
	CSI-7K-S2203A-E	CSI-9K-S2203A-E
Dimensions (W*H*D, mm)	399*446*192	
Net Weight (kg)	19.5	
Installation Method	Wall-mounted	
DC Connection Type	MC4/T6	
AC Connection Type	Connector	
Communication Interfaces	RS485 / WiFi	
Display LED Indicator	LED & APP	
Cooling	Natural Convection	
Protection Degree	IP65	
Operating Ambient Temperature Range (°C)	-25 - 60 °C (> 45 °C, derating operation)	
Relative Humidity (Non-Condensing)	0% - 100%	
Max. Operating Altitude (m)	4000 (> 3000, derating operation)	
Acoustic Noise Emission Level (dBA)	< 25	
Topology	Transformerless	
Night Power Consumption (W)	< 1	
Safety and EMC	IEC 62109-1/2, IEC 61000-6-1, IEC 61000-6-3	
Grid Connection Standard	ABNT NBR 16149/16150:2013	

HIGH RELIABILITY

- Integrated power module design.
- Integrates zero Export EPM
- Integrated Wifi
- Integrated DC SWITCH.
- Natural convection.
- IP65

EFFICIENCY AC OUTPUT		
Max. Efficiency	98.1%	98.1%
European Efficiency	97.5%	97.5%