

# SINGLE PHASE STRING INVERTER

3KW (CSI-3K-S22002-ED)

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 40 GW deployed around the world since 2001.

**KEY FEATURES:**

**5 YEARS** Estándar warranty, extention up to 10 Years .

- Enhance Solar System Output Support high current PV modules with 12A Operation current
- Maximum efficiency of 98%, H6 Plus high efficient topology with Maximum efficiency 98% ,Europe 97.5%.



- HIGH RELIABILITY**
- Integrated power module des ign.
  - Integrated DC BOX .
  - Natural convection.
  - IP65

EFFICIENCY AC OUTPUT	
Max. Efficiency	97.8%
European Efficiency	97.1%
MPPT Efficiency	99.9%

SYSTEM TECHNICAL DATA			
MODEL NAME	CSI-3K-S22002-ED		
DC INPUT		AC OUTPUT	
Max. PV Power (W)	4080	Rated Output Power (W)	3000
Max. DC Input Voltage (V)	600	Max. Output Power (W)	3000
Start-up DC Input Voltage (V)	60	AC Grid Connection Type	L/N/PE
MPPT Operating Voltage Range (V)	60-500	AC Nominal Voltage And Range (V)	220/230/240 (180-280)
Rated Input Voltage (V)	360	AC Nominal Frequency And Range (Hz)	50/60 (±5)
Max. Input Current (A)	12	Max. Output Current (A)	13.6
Max. Short-Circuit Current (A)	15	Power Factor (@Rated Output Power)	>0.99
Number of MPP Trackers	1	Displacement Power Factor	0.8 leading to 0.8 lagging
Number of DC Inputs	1	Total Harmonic Distortion (THDi)	< 3%

GENERAL PARAMETERS	
	CSI-3K-S22002-ED
Dimensions (W*H*D, mm)	312*517*156
Net Weight (kg)	10
Installation Method	Wall-mounted
DC Connection Type	MC4/H4
AC Connection Type	Connector
Communication Interfaces	M16 (WIFI/RS485/GPRS Optional)
Display LED Indicator	LED Indicator
Cooling	Natural Convection
Protection Degree	IP65
Operating Ambient Temperature Range (°C)	-25-60 (>45, 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, IEC 61727, IEC 62116