

SINGLE PHASE STRING INVERTER

3.68KW | 5KW

KEY FEATURES



Standard Warranty, Extension up to 20 Years



Enhance Solar System Output

Support high current PV modules with 12A operating current.



Max. Efficiency 98%

Max. efficiency 98%, Europe 97.5%.



User Friendly

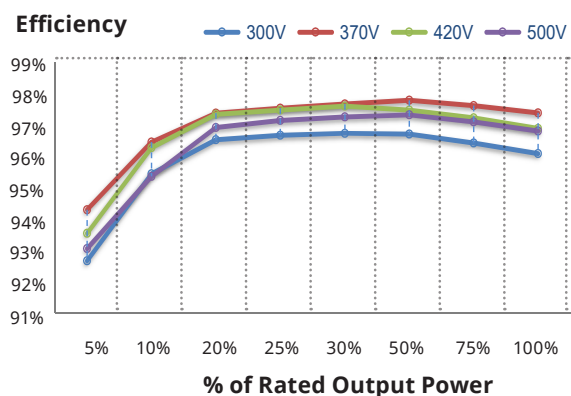
Low weight allows one person installation.
Real-time monitoring with Cloud platform.
Supports one-click inverter configuration.
Supports remote parameter configuration & firmware update.



Higher Reliability

Integrated power module design.
Integrated DC switch.
Natural convection.
IP65.

CSI-5K-S22002-E EFFICIENCY CURVE



CSI Solar Co., Ltd. is committed to providing high quality solar products, solar system solutions and services to customers around the world. Canadian Solar was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey, and is a leading PV project developer and manufacturer of solar modules, with over 55 GW deployed around the world since 2001.

* For detail information, please refer to Installation Manual.

SYSTEM TECHNICAL DATA

MODEL NAME	CSI-3.68K-S22002-E	CSI-5K-S22002-E
DC INPUT		
Max. DC Input Voltage (V)	600	600
Start-up DC Input Voltage (V)	110	110
MPPT Operating Voltage Range (V)	100 - 550	100 - 550
Rated Input Voltage (V)	360	360
Max. Input Current (A)	12 / 12	12 / 12
Max. Short-Circuit Current (A)	15 / 15	15 / 15
Number of MPP Trackers	2	2
Number of DC Inputs	1 / 1	1 / 1
AC OUTPUT		
Rated Output Power (W)	3680	5000
Max. Apparent AC Output Power (VA)	3680	5000
AC Grid Connection Type	L / N / PE	
AC Nominal Voltage And Range (V)	230	
AC Nominal Frequency And Range (Hz)	50 (± 5)	
Max. Output Current (A)	16	21.7
Power Factor (@Rated Output Power)	> 0.99	
Displacement Power Factor	0.8 leading to 0.8 lagging	
Total Harmonic Distortion (THDi)	< 3 %	
EFFICIENCY		
Max. Efficiency	97.5 %	98.0 %
European Efficiency	96.8 %	97.5 %
MPPT Efficiency	99.5 %	99.9 %
SAFETY & PROTECTION		
DC Switch	Integrated	
Anti-Islanding Protection	Integrated	
DC Reverse-Polarity Protection	Integrated	
Insulation Monitoring	Integrated	
AC Over Voltage Protection	Integrated	
AC Over Current Protection	Integrated	
AC Short-Circuit Protection	Integrated	
Residual Current Protection	Integrated	
Overvoltage Class	II(DC), III(AC)	
GENERAL PARAMETERS		
Dimensions (W x H x D, mm)	355 x 435 x 158	
Net Weight (kg)	13.5	
Installation Method	Wall-mounted	
DC Connection Type	MC4	
AC Connection Type	Connector	
Communication	WIFI / RS485	
Display	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)	
Topology	Transformerless	
Night Power Consumption (W)	< 1	
Safety and EMC	IEC 62109, IEC 61000-6-1, IEC 61000-6-3	
Grid Connection Standard	EN50549-1	

*Any system with a DC/AC ratio being less than 1.5 is within our warranty scope. Please contact local CSI Solar technical support for further confirmation if otherwise.

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. CSI Solar Co., Ltd. reserves the right to make necessary adjustment to the information described herein at any time without notice.
 Caution: For professional use only. The installation and handling of PV equipment requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the product.