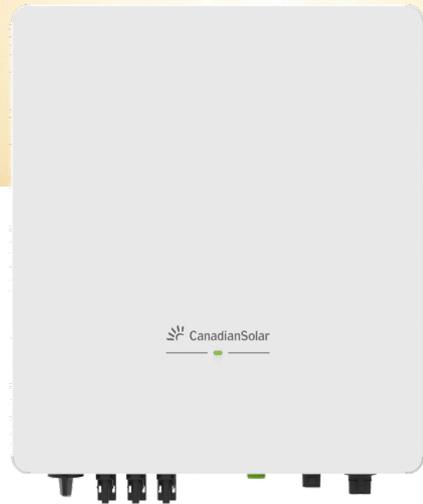


SINGLE PHASE STRING INVERTER

7000W | 8000W | 9000W



KEY FEATURES



Enhance Solar System Output

Support high current PV modules with 12.5A operation current.



Max. Efficiency 98.1%

H6 Plus high efficient topology with Max. efficiency 98.1%, Europe 97.5%.



User Friendly

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



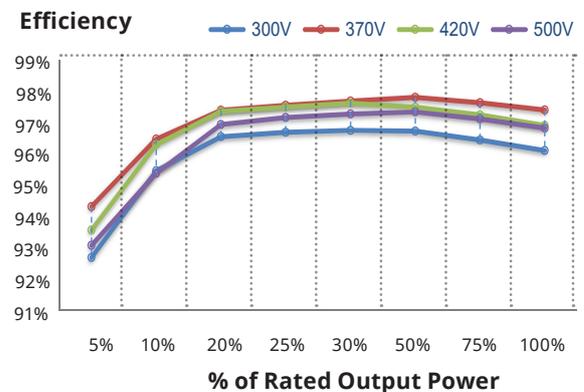
Higher Reliability

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



standard warranty, extension up to 10 years

CSI-9K-S22002-E EFFICIENCY CURVE



CANADIAN SOLAR INC. 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.

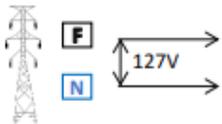
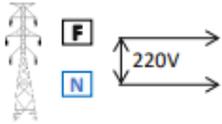
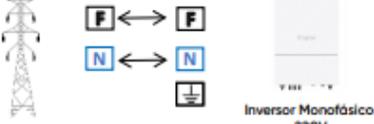
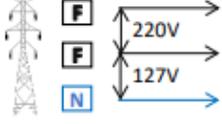
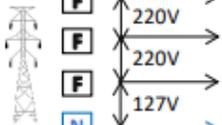
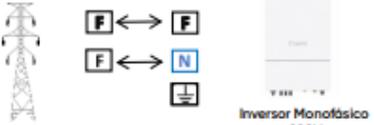
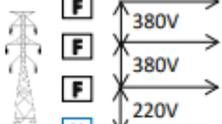
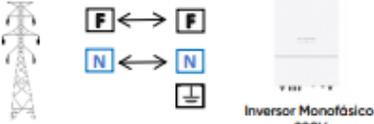
SYSTEM TECHNICAL DATA

MODEL NAME	CSI-7K-S22002-E	CSI-8K-S22002-E	CSI-9K-S22002-E
DC INPUT			
Max. PV Power (W)	9100	10400	11700
Max. DC Input Voltage (V)	600	600	600
Start-up DC Input Voltage (V)	120	120	120
MPPT Operating Voltage Range (V)	100 - 500	100 - 500	100 - 500
Rated Input Voltage (V)	360	360	360
Max. Input Current (A)	12.5 / 25	12.5 / 25	12.5 / 25
Max. Short-Circuit Current (A)	15 / 30	15 / 30	15 / 30
Number of MPP Trackers	2	2	2
Number of DC Inputs	1 / 2	1 / 2	1 / 2
AC OUTPUT			
Rated Output Power (W)	7000	8000	9000
Max. Output Power (W)	7700	8000	9000
AC Grid Connection Type	L / N / PE		
AC Nominal Voltage And Range (V)	220 / 230 / 240 (180 ~ 280)		
AC Nominal Frequency And Range (Hz)	50 / 60 (±5)		
Max. Output Current (A)	35	36.4	40.9
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	98.1 %	98.1 %	98.1 %
European Efficiency	97.5 %	97.5 %	97.5 %
MPPT Efficiency	99.9 %	99.9 %	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*H*D, mm)	399 * 446* 192		
Net Weight (kg)	18.1		
Installation Method	Wall - mounted		
DC Connection Type	MC4 / H4		
AC Connection Type	Connector		
Communication Interfaces	RS485 / WiFi		
Display	LED Indicator		
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 m (> 3000 m, 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	IEC61727, IEC62116		

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Canadian Solar Inc. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

CANADIAN SOLAR INC.

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CONFIGURAÇÃO DA REDE		COMPATIBILIDADE E CONEXÃO	
Rede Monofásica 127V		×	×
Rede Monofásica 220V		✓	 Inversor Monofásico 220V
Rede Bifásica 127/220V		✓	 Inversor Monofásico 220V
Rede Trifásica 127/220V		✓	 Inversor Monofásico 220V
Rede Trifásica 220/380V		✓	 Inversor Monofásico 220V

MAPA DE TENSÕES

ESTADO	TENSÃO FASE-NEUTRO (VOLSTS)	EXCEÇÕES
ACRE	127V	
ALAGOAS	220V	
AMAPÁ	127V	
AMAZONAS	127V	
BAHIA	220V	127V Aiquara; Alagoinhas; Almadina; Antas; Antônio Cardoso; Apauarema; Aracás; Aratuípe; Aurélio Leal; Barra do Rocha; Governador Lomanto Jr.; Belmonte; Bom Jesus da Lapa; Boquira; Brejões; Buerarema; Cabeceiras do Paraguaçu; Cacoahreira; Camaçari; Canavieiras; Candéias; Castro Alves; Catú; Cipó; Conceição da Feira; Conceição do Almeida; Conceição do Jacuípe; Coração de Maria; Coronel João Sá; Correntina; Cravolândia; Cruz das Almas; Dário Meira; Firmino Alves; Floresta Azul; Gongogi; Governador Mangabeira; Ibicaraí; Ibicui; Ibirapitanga; Ibirataia; Iguaí; Ilheus; Ipecaeta; Ipiara; Irará; Itabuna; Itacaré; Itagiba; Itaju do Colônia; Itajuípe; Itanagra; Itaparica; Itape; Itapitanga; Itaquara; Itatim; Itiruçu; Itororó; Jaborandi; Jaguaquara; Jeremoabo; Jiquiriçá; Jitauna; Jussari; Lagado do Tabocal; Lauro de Freitas; Madre de Deus; Maracás; Maragogipe; Muniz Ferreira; Muritiba; Nazaré; Nova Canaã; Nova Itarana; Novo triunfo; Ouricangas; Paulo Afonso; Pedrão; Pedro Alexandre; Piraí do Norte; Pojuca; Rafael Jambeiro; Salvador; Santa Cruz da Vitória; Santa Inês; Santanópolis; Santa Terezinha; Santa Luzia; Santa Maria da Vitória; Santana; Santo Amaro; Santo Antônio de Jesus; Santo Estevão; São Desidério; São Felipe; São Felix; São Felix do Caribe; São Francisco do Conde; São José da Vitória; São Miguel das Matas; Sapeaçu; Sátiro Dias; Saubara; Serra do Ramalho; Serra Preta; Simões Filho; Sítio do Mato; Sítio do Quino; Teodoro Sampaio; Terranova; Ubaira; Uruçuca; Varzedo; Vera Cruz
CEARÁ	220V	
DISTRITO FEDERAL	220V	
ESPÍRITO SANTO	127V	220V Alegre; Gaúli
GOIÁS	220V	
MARANHÃO	220V	
MATO GROSSO	127V	
MATO GROSSO DO SUL	127V	
MINAS GERAIS	127V	
PARÁ	127V	
PARAÍBA	220V	
PARANÁ	127V	220V Rio Negro
PERNAMBUCO	220V	
PIAUI	220V	
RIO DE JANEIRO	127V	220V Nova Friburgo
RIO GRANDE DO NORTE	220V	
RIO GRANDE DO SUL	220V	220V Arroio do Sal; Canoas; Capão da Canoa; Capela de Santana; General Câmara; Imbé; Porto Alegre; Rio Grande; São Leopoldo; Torres; Tramandaí; Três Cachoeiras; Três Palmeiras
RONDÔNIA	127V	
RORAIMA	127V	
SANTA CATARINA	220V	
SÃO PAULO	127V	220V Assis; Bastos; Biritinga-Mirim; Boituva; Bora; Caçapava; Campo Limpo Paulista; Cândido Mota; Caraguatatuba; Cruzália; Echaporá; Florínea; Guarujá; Iacri; Ibirarema; Iepé; Indaialuba; Iperó; Itupeva; Jambeiro; João Ramalho; Jundiá; Loveira; Lutécia; Maracá; Mogi das Cruzes; Oscar Bressane; Palmital; Paraguaçu; Paulista; Platina; Porto Feliz; Quatá; Rancharia; Ribeirão do Sul; Rinópolis; Salesópolis; Salto Grande; Santa Branca; São José dos Campos; São Sebastião; Tupã; Várzea Paulista; Vinhedo
SERGIPE	110V, 115V, 117V E 127V	
TOCANTINS	220V	127V Dianópolis



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