

TD-SERIES THREE PHASE STRING INVERTER 4-20 KW

CSI-4K-T400GE01-TD | CSI-5K-T400GE01-TD | CSI-6K-T400GE01-TD
CSI-8K-T400GE01-TD | CSI-10K-T400GE01-TD | CSI-12K-T400GE01-TD
CSI-15K-T400GE01-TD | CSI-17K-T400GE01-TD | CSI-20K-T400GE01-TD

Canadian Solar's grid-connected string inverters are the ideal solution for residential and commercial PV systems. Its 2 MPPTs allow a flexible design of your PV system while maximizing the energy harvest. The three phase TD-Series is quick and easy to install due to its compact design and light weight.



Standard warranty, extension up to 20 years

KEY FEATURES

- Maximum efficiency 98.4%
- 2 MPPTs, design flexibility
- 150% DC input oversizing
- Ultra-low startup voltage
- AFCI ready
- Remote shutdown
- Export limitation



HIGH EFFICIENCY



HIGH RELIABILITY



**QUICK & EASY
INSTALLATION**



**EVERYTHING
FROM ONE SOURCE**

EASY INSTALLATION & OPERATION

- Reliable, silent and light
- Integrated LCD display
- Remote control and upgrade
- Real-time monitoring
- Wi-Fi, LAN and 4G ready

HIGH RELIABILITY

- IP65, weatherproof
- Anti-islanding protection
- Built-in SPD Type II (DC) / III (AC)
- Built-in DC switch
- Natural convective & smart fan cooling

CSI SOLAR CO. LTD. is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 20 years, it has successfully delivered over 70 GW of premium-quality solar modules across the world.

CSI SOLAR CO., LTD.

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SYSTEM/TECHNICAL DATA

MODEL NAME	CSI-4K-T400GE01-TD	CSI-5K-T400GE01-TD	CSI-6K-T400GE01-TD	CSI-8K-T400GE01-TD	CSI-10K-T400GE01-TD	CSI-12K-T400GE01-TD	CSI-15K-T400GE01-TD	CSI-17K-T400GE01-TD	CSI-20K-T400GE01-TD	
DC INPUT										
Max. Input Voltage (V)	1,000			1,100						
MPPT Voltage Range (V)	180~850			140~950						
Input Start-up Voltage (V)					180					
Nominal Input Voltage (V)					620					
Max. Input Current per MPPT (A)	16			15		30				
Max. Short-Circuit Current per MPPT (A)	20			18.7		37.5				
Number of MPPT Trackers					2					
Number of DC Inputs per MPPT	1						2			
AC OUTPUT										
Rated Output Power (W)										
Rated Output Apparent Power (VA)	4000	5000	6000	8000	10000	12000	15000	17000	20000	
Max. AC Active Power (W)										
Max. AC Apparent Power (VA)	4400	5500	6600	8800	11000	13200	16500	18700	22000	
Rated Output Voltage (V)	400, 3L/N/PE			380/400/415, 3L/N/PE			380/400/415, 3L/N/PE			
Nominal AC Grid Frequency (Hz)					50/60					
Max. Output Current (A)	6.4	8.0	9.6	12.8	16.0	19.1	24.0	27.1	32.0	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)									
Max. Total Harmonic Distortion	<3%									
EFFICIENCY										
Max. Efficiency	98.2%			98.3%		98.4%				
EU Efficiency	97.6%						97.8%			
SAFETY & PROTECTION										
PV Insulation Resistance Detection					Integrated					
Residual Current Monitoring					Integrated					
DC Reverse Polarity Protection					Integrated					
Anti-islanding Protection					Integrated					
AC Over Current Protection					Integrated					
AC Short-Circuit Protection					Integrated					
AC Over Voltage Protection					Integrated					
DC Switch					Integrated					
DC / AC SPD					DC Type II / AC Type III					
AFCI					Optional					
Remote Shutdown					Integrated					
GENERAL PARAMETERS										
Operating Temperature Range (°C)					-30~+60					
Operating Humidity					0~100%					
Max. Operating Altitude (m)					4000					
Cooling Method	Natural Convection					Smart Fan Cooling				
Interface	LED, LCD, Wi-Fi+APP									
Communication	RS485, WiFi or LAN or 4G (Optional)									
Weight (kg)	15.0			20.5		23.5		26.0		
Dimensions (WxHxD, mm)	354 x 433 x 147			415 x 511 x 175		415 x 511 x 198				
Audible Noise (dB)	<34			<25		<45				
Topology	Non-isolated									
Self-consumption at Night (W)	<1									
Protection Degree	IP65									
DC Connector	MC4 (4~6mm ²)									

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 further 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.

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