

TM-SERIES THREE PHASE STRING INVERTER 25-60 KW

CSI-25K-T400GE01-TM | CSI-30K-T400GE01-TM | CSI-36K-T400GE01-TM
CSI-50K-T400GE01-TM | CSI-60K-T400GE01-TM

Canadian Solar's grid-connected string inverters are the ideal solution for commercial PV systems. The TM-Series has been designed up to a capacity of 60 kW and features key highlights such as high efficiencies, remote shutdown and ultra-low startup voltages. In combination with our solar modules, system operators benefit from high-quality products from a single source.



Standard warranty, extension up to 20 years

KEY FEATURES

- Maximum efficiency 98.8%
- 3-6 MPPTs, design flexibility
- 150% DC input oversizing
- Ultra-low startup voltage
- AFCI ready
- Remote shutdown
- Export limitation



HIGH EFFICIENCY



HIGH RELIABILITY

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) / II (AC)
- Built-in DC switch
- Smart fan cooling



QUICK & EASY
INSTALLATION



EVERYTHING
FROM ONE SOURCE

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-25K-T400GE01-TM	CSI-30K-T400GE01-TM	CSI-36K-T400GE01-TM	CSI-50K-T400GE01-TM	CSI-60K-T400GE01-TM
DC INPUT					
Max. Input Voltage (V)			1100		
MPPT Voltage Range (V)			200~950		
Input Start-up Voltage (V)			180		
Nominal Input Voltage (V)			600		
Max. Input Current per MPPT (A)			30		
Max. Short-Circuit Current per MPPT (A)			37.5		
Number of MPPT Trackers		3		5	6
Number of DC Inputs per MPPT			2		
AC OUTPUT					
Rated Output Power (W)					
Rated Output Apparent Power (VA)	25000	30000	36000 ¹	50	60
Max. AC Active Power (W)					
Max. AC Apparent Power (VA)	27500	33000	36000	55	66
Rated Output Voltage (V)			400, 3L/N/PE		
Nominal AC Grid Frequency (Hz)			50/60		
Max. Output Current (A)	40.0	48.0	53.3	80.0	96.0
Power Factor			~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion			<3%		
EFFICIENCY					
Max. Efficiency	98.7%		98.8%		98.6%
EU Efficiency	98.4%		98.5%		98.1%
SAFETY & PROTECTION					
PV String Current Monitoring			Integrated		
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 II		
AFCI			Optional		
Remote Shutdown			Integrated		
GENERAL PARAMETERS					
Operating Temperature Range (°C)			-30~+60		
Operating Humidity			0~100%		
Max. Operating Altitude (m)			3000		
Cooling Method			Smart Fan Cooling		
Interface		LED, LCD, Wi-Fi+APP		LED, Wi-Fi+APP	
Communication			RS485, Wi-Fi or LAN or 4G (Optional)		
Communication Protocols			Modbus-RTU		
Weight (kg)		40		55	
Dimensions (WxHxD, mm)		480 × 590 × 200		520 × 660 × 220	
Audible Noise (dB)			<65		
Topology			Non-isolated		
Self-consumption at Night (W)			<1		
Protection Degree			IP65		
DC Connector			MC4 (Max. 6mm ²)		

1. 33 kW for Italy, 36 kW for other countries

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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