



THREE-PHASE STRING INVERTER 125 KW CSI-125KTL-GS-E

Canadian Solar's grid-tied, transformer-less string inverters help accelerate the use of three-phase string architecture for commercial rooftop and small ground-mount applications. An NRTL approved, cost-effective alternative to central inverters, these inverters are modular design building blocks that provide high yield and enable significant BoS cost savings. They provide up to 99.1% conversion efficiency, and a wide operating range for maximum energy harvest.





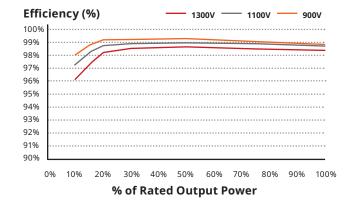
Standard warranty, extension up to 20 years

KEY FEATURES

- Maximum efficiency of 99.1%, CEC efficiency of 98.6%
- Single MPPT for higher conversion efficiency
- Transformerless design
- PID mitigation capability

EFFICIENCY CURVE

CSI-125KTL-GS-E @ 900 V



 $[\]hbox{\tt *For detailed information, please refer to the Installation Manual}.$

HIGH RELIABILITY

- Advanced thermal design with variable speed fans
- · Ground-fault detection and interruption circuit

BROAD ADAPTIBILITY

- NEMA 4X (IP65), outdoor application
- Utility interactive controls: active power derating, reactive power control and over frequency derating
- Integrated wiring box design
- Integrated DC and AC load rated disconnects
- Wide MPPT range for flexible string sizing
- AC terminals compatible with copper and aluminum conductors
- Supports up to 20 DC string inputs

CANADIAN SOLAR (USA), INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 36 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

Descriptor Propriet	SYSTEM/TECHNICAL DATA		
Max. DC Input Vistage 1501 Vm. Max. DC Input Vistage Range 8804-450 Vm. Start-up DC Input Vistage/Inver 900 Vm. Start-up DC Input Vistage/Inver 10 FUP Dover MPT Vistage/Range 860-1500 Vm. Operating QUarrent (Imp) 110A Number of MPT Pistage Range 800-1500 Vm. Number of DC Imputs 10 December of DC Imputs 100A Number of DC Imputs 100 December 100 Vm. AC OUTPUT 100A AC OUTPUT 100A AC OUTPUT New 125 kW Name AC OUTPUT New 120 kW Operating Voltage Range 120 kW Name AC OUTPUT New 120 kW Name AC OUTPUT New 120 kW Name AC OUTPUT New 120 kW	MODEL NAME	CSI-125KTL-GS-E	
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Safety and EMC Standard UL1741 SA, UL1998, CSA-C22.2 No. 107.1-01, IEEE1547, FCC PART 15		20 A standard	
Grid Standard IEEE154/, Rule 21, ISO-NE			
Smart-Grid Features Voltage-Ride Thru, Frequency-Ride Thru, Soft-Start, Volt-Var, Frequency-Watt, Volt-Watt			

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.

 $\hbox{*The "Output Voltage Range" and "Output Frequency Range" may differ according to specific grid standard.}$

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.