NEW

CanadianSolar

THREE PHASE STRING INVERTER 250 KW

CSI-250K-T800

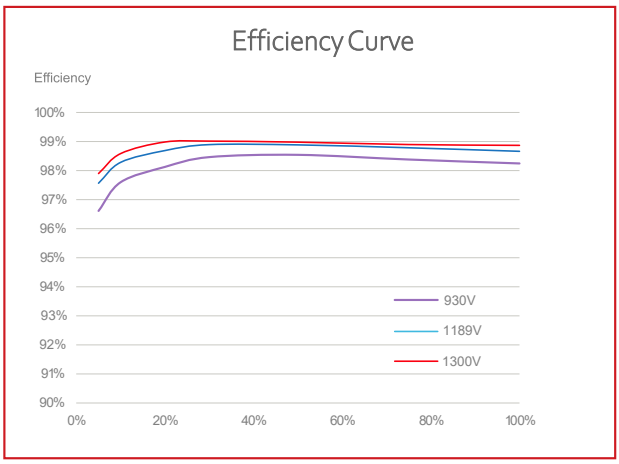
CSI Solar's grid-tied, transformer-less string inverters help to accelerate the use of three-phase string architecture for medium ground-mount applications. An NRTL approved, cost-effective alternative to central inverters, these inverters are modular design building blocks that provide high yield and enable significant BoS cost savings. They provide up to 99.01% conversion efficiency, a wide operating range of 500-1500 V DC, and 12 MPPTs for maximum energy harvest.

KEY FEATURES

- Maximum efficiency of 99.01%
- EU efficiency of 98.8%
- 12 MPPTs to achieve higher system efficiency
- High current inputs to support high power and bifacial modules
- Support aluminum cable
- Smart IV Curve Scanning

EFFICIENCY CURVE

CSI-250K-T800



For detailed information, please refer to the Installation Manual.

HIGH RELIABILITY

- IP66 protection level
- Intelligent redundant air cooling design
- Built in over-voltage and over-current protection
- DC reverse polarity and AC short circuit protection

BROAD ADAPTIBILITY

- Utility interactive controls: Active power derating, reactive power control and over frequency derating
- Integrated DC switches
- Wide MPPT range for flexible string sizing
- High switching frequency and ultra fast MPPT for maximum efficiency over a wide load range

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 110 GW of premium-quality solar modules across the world.

CSI SOLAR CO., LTD.
199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129 www.csisolar.com

SYSTEM TECHNICAL DATA

MODEL NAME	CSI-250K-T8001A-E
DC INPUT	
Max. DC Input Voltage (V)	1500V
Start-up DC Input Voltage (V)	550V
MPPT Operating Voltage Range (V)	500-1500V
MPPT Voltage Range for Full Load (V)	880-1300 V
Rated Input Voltage (V)	1200V
Max. Input Current (A)	40A
Max. Short-Circuit Current (A)	60A
Number of MPP Trackers	12
Number of DC Inputs	24
AC OUTPUT	
Max. AC Output Power (Apparent)	250 kVA @ 50 ℃
Rated Output Voltage	800V
Grid Connection Type	3Φ / PE
Max Output Current	180.4 A
Rated Output Frequency	50Hz/60Hz
THDi	< 3%(rated power)
Power Factor	> 0.99 / 0.8 leading – 0.8 lagging
EFFICIENCY	
Max. Efficiency	99.01%
European Efficiency	98.8%
SAFETY &PROTECTION	
Anti-Islanding Protection	Yes
DC Insulation Resistance Detection	Yes
Residual Current Monitoring	Yes
String Monitoring	Yes
AC Output Over Current Protection	Yes
AC Short Circuit Protection	Yes
Grid Monitoring	Yes
Smart IV Curve Scanning	Yes
Smart DC Switch	optional
Anti-PID Module	optional
Overvoltage Class	II (DC),III(AC)
DC / AC SPD	DC SPD Type II / AC SPD Type II
GENERAL PARAMETERS	
Display	LED+ APP (optional)
Communication	RS485 / PLC / WiFi
Operating ambient temperature range	-30 to 60 ℃
Dimensions (W / H / D)	1130 X 894 X 372 mm
Degree of protection	IP66
Weight	120kg
DC Inputs Type	MC4-EVO2
AC Outputs Type	OT/DT Terminals support 400mm²
Certification	
Safety	IEC62109-1/2
EMC Standard	IEC 61000-6-2/4
Grid Code	IEC61727 & IEC62116, EN 50530, IEC 61683

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

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199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129, www.csisolar.com, service.inverter@csisolar.com