NEW

Preliminary Technical Information Sheet

CanadianSolar

THREE PHASE STRING INVERTER 350 KW

CSI-350K-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 12/16 MPPTs for maximum energy harvest.

KEY FEATURES

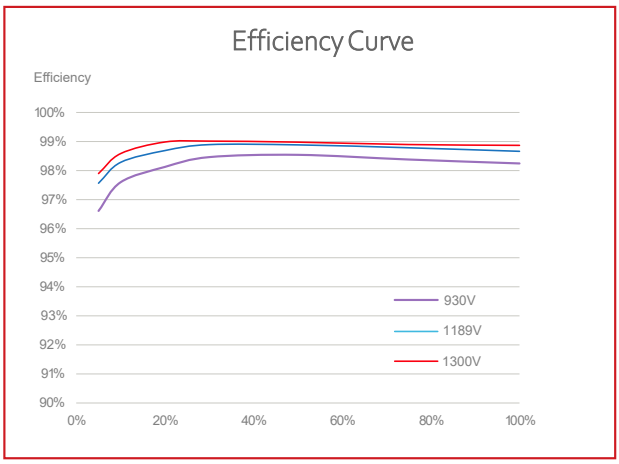
- Maximum efficiency of 99.01 %
- EU efficiency of 98.8%
- 12/16 MPPTs to achieve higher system efficiency
- High current inputs to support high power and bifacial modules
- Support aluminum cable

HIGH RELIABILITY

- IP66 and C5 protection level
- Intelligent redundant air cooling design
- Built in over-voltage and over-current protection
- DC reverse polarity and AC short circuit protection

EFFICIENCY CURVE

CSI-350K-T800



For detailed information, please refer to the Installation Manual.

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 63 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-350K-T8001A-E	CSI-350K-T8001B-E
DC INPUT		
Max. DC Input Voltage (V)	1500V	
Start-up DC Input Voltage (V)	550V	
MPPT Operating Voltage Range (V)	500-1500V	
Rated Input Voltage (V)	1190V	
Max. Input Current (A)	40A	32A
Max. Short-Circuit Current (A)	60A	60A
Number of MPP Trackers	12	16
Number of DC Inputs	24	32
AC OUTPUT		
Max. AC Output Power (Apparent)	352 kVA @ 35 ℃ / 320 kVA @45 ℃ / 295 kVA @50 ℃	
Rated Output Voltage	800V	
Grid Connection Type	3Φ / PE	
Max Output Current	254A	
Rated Output Frequency	50Hz/60Hz	
THDi	< 2%(rated power)	
Power Factor	> 0.99 / 0.8 leading – 0.8 lagging	
EFFICIENCY		
Max. Efficiency	99.01%	
European Efficiency	98.8%	
SAFETY &PROTECTION		
DC Switch	Yes	
Anti-Islanding Protection	Yes	
DC Insulation Resistance Dection	Yes	
Residual Current Monitoring	Yes	
String Monitoring	Yes	
AC Output Over Current Protection	Yes	
AC Short Circuit Protection	Yes	
Grid Monitoring	Yes	
Anti-PID Module	optional	
SVG	Yes	
Ground fault monitoring	Yes	
Overvoltage Class	II (DC),III(AC)	
Smart IV Curve diagnosis	Yes	
DC / AC SPD	DC SPD Type II / AC SPD Type II	
LVRT, HVRT	Yes	
GENERAL PARAMETERS		
Display	LED+ APP	
Communication	RS485 / PLC	
Operating ambient temperature range	-30 to 60℃	
Dimensions (W / H / D)	1150 X 860 X 380 mm	
Degree of protection	IP66	
Weight	120kg	
DC Inputs Type	MC4-EVO2	
AC Outputs Type	OT/DT Terminals support 400mm²	
Certification		
Safety	IEC62109	
EMC Standard	IEC 61000-6-2/4	
Grid Code	IEC61727 & IEC62116, LVRT,HVRT	
Other	Reliability test(PVEL)	

*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.

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