

CSI SINGLE PHASE STRING INVERTER

CSI-1.5K-TL and CSI-3K-TL



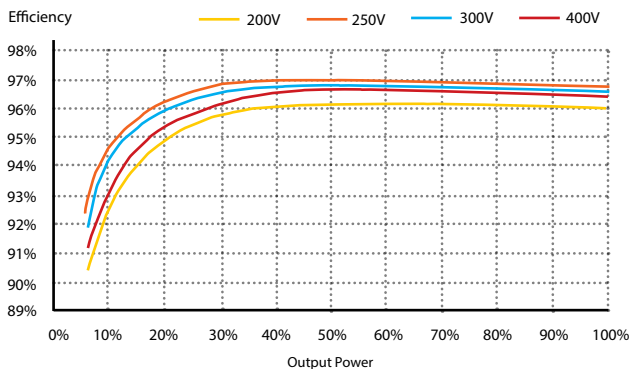
KEY FEATURES:

- Maximum efficiency of 97% and wide input voltage range
- Internal DC switch
- Transformerless GT topology
- Compact design
- Ethernet / RF technology / Wi-Fi
- Sound control
- Standard Warranty: 5 years, extension up to 10 years

CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading manufacturer of solar modules and PV project developer with over 14 GW of premium quality modules deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

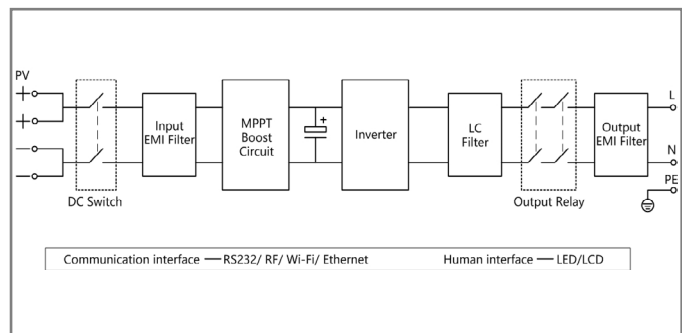
EFFICIENCY CURVE

CSI-1.5K-TL@220 Vac



INVERTER TOPOLOGY

CSI-1.5K-TL and CSI-3K-TL



TECHNICAL DATA

MODEL NAME	CSI-1.5K-TL	CSI-3K-TL
DC INPUT		
Max. Recommended PV Power(STC)	1900W	3400W
Max. DC Input Voltage	450V	550V
Start Voltage	80V	
DC Voltage Range	70-450V	70-550V
MPP Work Voltage Range/ Nominal Voltage	70-450V/250V	70-550V/360V
Full Load DC Voltage Range	175-400V	250-500V
Max. Input Current	10A	13A
Max. Input Current per String	10A	13A
Number of MPP Trackers /Strings per MPPT	1/1	1/2
AC OUTPUT		
Rated AC Output Power	1600W	3000W
Max. AC Output Power	1650W	3000W
Max. Output Current	7.8A	14.3A
AC Nominal Voltage; Range	220,230,240Vac; 180-280Vac	
AC Grid Frequency; Range	50,60Hz; ±5 Hz	
Power Factor	1	
THDI	<3%	
AC connection	Single Phase	
EFFICIENCY		
Max. Efficiency	97%	
CEC Efficiency	96.5%	
MPPT Efficiency	99.5%	
PROTECTION		
DC Reverse Polarity Protection	Yes	
DC Switch Rating for Each MPPT	Yes	
Output Over Current Protection	Yes	
Output Over Voltage Protection-Varistor	Yes	
Ground Fault Monitoring	Yes	
Grid Monitoring	Yes	
Integrated All-Pole Sensitive Leakage Current Monitoring Unit	Yes	
GENERAL DATA		
Dimensions(W/H/D)	271x267x142mm	271x320x142mm
Weight	6.1Kg	8.8Kg
Operating Temperature Range	-25°C ~ +60°C with derating above 45°C	
Noise Emission (Typical)	≤25 dB(A)	
Altitude	2000m without derating	
Self-Consumption Night	<0.5 W	
Topology	Transformerless	
Cooling Concept	Natural	
Environmental Protection Rating	IP 65	
Relative Humidity	100%	
FEATURES		
DC Connection	H4	
AC Connection	Connector	
Display	LCD	
Interfaces: RS232/ RF/ Wi-Fi/ Ethernet	Yes/Optional/Optional/Optional	
Warranty: 5 Years / 10 Years	Yes/Optional	
CERTIFICATES AND APPROVALS		
CE; VDE 0126-1-1; IEC 62109; G83; AS4777; AS/NZS 3100; INMETRO		