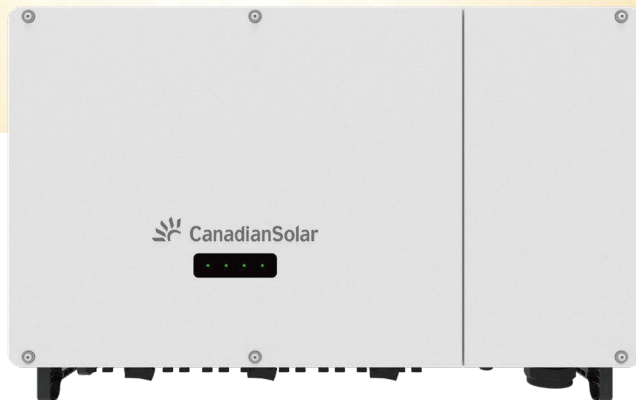




THREE PHASE STRING INVERTER 75-120 KW



CSI-75KW | CSI-100KW
CSI-110KW | CSI-120KW

CSI Solar's grid-tied, transformer-less string inverters help to accelerate the use of three-phase string architecture for industrial and commercial rooftop applications. These inverters are modular design building blocks that provide high yield and enable significant BoS cost savings. They provide up to 98.5% conversion efficiency, a wide operating range of 200-1000 V_{DC}, and 6 or 9 MPPTs for maximum energy harvest.

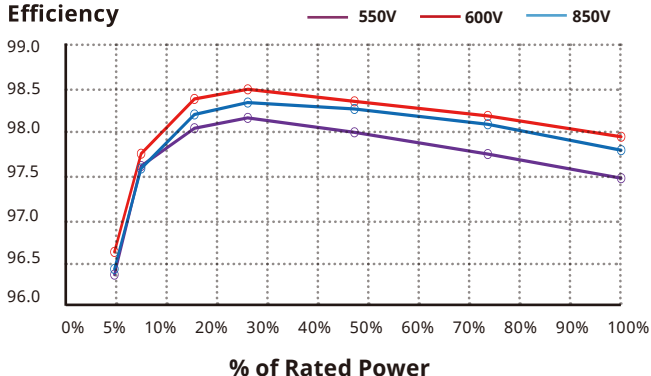
KEY FEATURES

- Maximum efficiency of 98.5%, Maximum EU efficiency of 98.1%
- 6 or 9 MPPTs to achieve higher system efficiency
- 20A input for each string, perfectly match with Hiku7 series module*
- Integrated DC Switches
- Smart string monitoring
- Integrated anti-PID function (Optional)
- Supports aluminum cable
- AFCI (Optional)

EFFICIENCY CURVE

CSI-120KW

Efficiency



* For detail information, please refer to Installation Manual.

* "20A input for each string, perfectly match with Hiku7 series module", this feature applies to the models of 6 MPPTs only.

HIGH RELIABILITY

- Intelligent fan-cooling
- SPD Type II for DC and AC
- Leakage current suppression technology
- DC reverse polarity protection

BROAD ADAPTIBILITY

- IP66 protection for harsh environment
- Utility interactive controls: Active power derating, reactive power control and over frequency derating
- Wide MPPT range for flexible string sizing

CSI Solar Co., Ltd. is committed to providing high quality solar products, solar system solutions and services to customers around the world. Canadian Solar was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey, and is a leading PV project developer and manufacturer of solar modules, with over 63 GW deployed around the world since 2001.

MODEL NAME	CSI-75K-T40001-E	CSI-100K-T4001A-E	CSI-100K-T4001B-E	CSI-110K-T4001A-E	CSI-110K-T4001B-E	CSI-120K-T4001A-E	CSI-120K-T4001B-E
INPUT (DC)							
Max. Input Voltage				1100 V _{DC}			
Start-up DC Input Voltage				195 V _{DC}			
Rated Input Voltage				600 V _{DC}			
MPPT Voltage Range				200 - 1000 V _{DC}			
Max. String Input No.	12	12	18	12	18	12	18
MPPT No.	6	6	9	6	9	6	9
Max. Input Current	6 x 40 A	6 x 40 A	9 x 32 A	6 x 40 A	9 x 32 A	6 x 40 A	9 x 32 A
Max. DC short-circuit current	6 x 50 A	6 x 50 A	9 x 40 A	6 x 50 A	9 x 40 A	6 x 50 A	9 x 40 A
OUTPUT (AC)							
Rated AC Output Power	75 kW	100 kW	100 kW	110 kW	110 kW	120 kW	120 kW
Max. AC Output Power (Apparent)	75 kVA	100 kVA	100 kVA	110 kVA	110 kVA	120 kVA	120 kVA
Rated Output Voltage				380 / 400 V _{AC}			
Grid Connection Type				3 L / N / PE			
Max Output Current	114A	152 A	152 A	167.1 A	167.1 A	182.3 A	182.3 A
Rated Output Frequency				50 / 60 Hz			
THDi				< 3 %			
Power Factor				0.8 leading ... 0.8 lagging			
Zero Export Solution				Supported			
EFFICIENCY							
Max. Efficiency				98.5 %			
EU Efficiency				98.1 %			
ENVIRONMENT							
Protection Degree				IP66			
Cooling				Intelligent Fan Cooling			
Operating Temperature Range				-30 °C to +60 °C			
Operating Humidity				0 - 100 % Non-condensing			
Operating Altitude				4000 m (> 3000 m derating)			
PROTECTION							
DC Switch				Yes			
Anti-Islanding Protection				Yes			
DC Reverse-Polarity 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			
AFCI				Optional			
Anti-PID Module				Optional			
Overvoltage Class				II (DC), III (AC)			
DC / AC SPD				DC SPD Type II / AC SPD Type II (Type I Optional)			
DISPLAY AND COMMUNICATION							
Display				LED & APP			
Communication				RS485 / WiFi (Optional)			
MECHANICAL DATA							
Dimensions (W / H / D)				1050 x 687 x 355 mm			
Weight	88 kg	90 kg	95 kg	90 kg	95 kg	90 kg	95 kg
DC Inputs Type				MC4			
AC Outputs Type				OT Terminals (Support the AC cables Max. 240mm²)			
CERTIFICATION							
Safety / EMC				IEC62109-1/2, IEC 61000-6-2/3			
Grid Code				IEC61727 & IEC62116, EN50549-1/2, CEI0-16, CEI0-21, NRS097			

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 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.

CSI Solar Co., Ltd.

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