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.

THREE PHASE STRING INVERTER 15-25 kW

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 98.6% conversion efficiency, a wide operating range of 160-1000 Vdc, and 2 MPPTs for maximum energy harvest.

CSI-15kW | CSI-17kW | CSI-20kW
CSI-23kW | CSI-25kW

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

## Model Name

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Input (DC)</th>
<th>Output (AC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Input Voltage</td>
<td>1100 Vdc</td>
<td></td>
</tr>
<tr>
<td>Start-up DC Input Voltage</td>
<td>180 Vdc</td>
<td></td>
</tr>
<tr>
<td>Rated Input Voltage</td>
<td>630 Vdc</td>
<td></td>
</tr>
<tr>
<td>MPPT Voltage Range</td>
<td>160 - 1000 Vdc</td>
<td></td>
</tr>
<tr>
<td>Max. String Input No.</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MPPT No.</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Max. Input Current</td>
<td>2×32 A</td>
<td></td>
</tr>
<tr>
<td>Max. DC short-circuit current</td>
<td>2×40 A</td>
<td></td>
</tr>
</tbody>
</table>

### INPUT (DC)
- Rated AC Output Power: 15 kW, 17 kW, 20 kW, 23 kW, 25 kW
- Max. AC Output Power (Apparent): 15 kVA, 17 kVA, 20 kVA, 23 kVA, 25 kVA
- Grid Connection Type: 3 L/N/PE
- Rated Output Voltage: 380 Vac / 400 Vac
- Rated Output Frequency: 50 / 60 Hz
- THDI: < 3 %
- Power Factor: 0.8 leading ... 0.8 lagging
- Zero Export Solution: Support

### EFFICIENCY
- Max. Efficiency: 98.5 %, 98.5 %, 98.6 %, 98.6 %, 98.6 %
- EU Efficiency: 98.0 %, 98.0 %, 98.0 %, 98.0 %, 98.0 %

### ENVIRONMENT
- Protection Degree: IP66
- Cooling: Intelligent Air Cooling
- Operating Temperature Range: -30 °C to +60 °C
- Operating Humidity: 0 - 100 %
- Operating Altitude: 4000 m (> 3000 m derating)

### PROTECTION
- DC Switch: Yes
- Anti-Islanding Protection: Yes
- DC Reverse-Polarity Protection: Yes
- DC Insulation Resistance Detection: Yes
- Residual Current Monitoring: Yes
- AC Output Over Current Protection: Yes
- AC Short Circuit Protection: Yes
- Grid Monitoring: Yes
- AFCI: Optional

### DISPLAY AND COMMUNICATION
- Display: LED Indicators & APP
- Communication: WiFi (Optional)

### MECHANICAL DATA
- Dimensions (W / H / D): 435 x 520 x 194 mm
- Weight: 17 kg, 19 kg
- DC Inputs Type: MC4
- AC Outputs Type: Quick Connection Plug

### CERTIFICATION
- Safety / EMC: IEC62109, IEC 61000-6-1/2/3/4
- Grid Code: IEC61727 & IEC62116

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**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.

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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.