



*Pictures shown are for illustration purposes only.
Actual product may vary from illustration.



Three-Phase String Inverter

CSI-10kW | 12kW

Key Features

- Max. efficiency up to 98.8%, Max. EU efficiency up to 98.4%
- 2 MPPTs for complex application scenarios to achieve higher system efficiency
- 20A input for each string to support the access of a variety of high-power modules
- Light weight design and easy installation

High Reliability

- SPD Type III for DC and AC
- Residual current detection and protection
- No-fuse design
- Input reverse protection
- IP66 protection level, strong environmental adaptability
- Built-in DC switch
- AFCI function(optional)

TECHNICAL DATA

Model Name	CSI-10K-T4002A-E	CSI-12K-T4002A-E
INPUT (DC)		
Max. Input Voltage	1100 V _{DC}	
Start-up DC Input Voltage	200 V _{DC}	
Rated Input Voltage	645 V _{DC}	
MPPT Voltage Range	160 - 1000 V _{DC}	
Max. String Input No.	2	
MPPT No.	2	
Max. Input Current	2 * 20 A	
Max. DC short-circuit current	2 * 30 A	
OUTPUT (AC)		
Rated AC Output Power	10 kW	12 kW
Max. AC Output Power (Apparent)	11 kVA	13.2 kVA
Rated Output Voltage	220 V _{AC} / 380V _{AC} , 230 V _{AC} / 400V _{AC}	
Grid Connection Type	3 L/N/PE	
Max. Output Current	16.7 A	20 A
Rated Output Frequency	50/60 Hz	
THDi	<2 %	
Power Factor	0.8 leading ... 0.8 lagging	
Zero Export Solution	Supported	
EFFICIENCY		
Max. Efficiency	98.50 %	98.80 %
EU Efficiency	98.10 %	98.40 %
ENVIRONMENT		
Protection Degree	IP66	
Cooling	Natural convection	Intelligent Air Cooling
Operating Temperature Range	-30 °C to + 60 °C	
Operating Humidity	0 - 100% Non-condensing	
Operating Altitude	4000 m (>3000m 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	
Overvoltage category	DC II / AC III	
AFCI	Optional	
DC / AC SPD	DC Type III / AC Type III(Type II optional)	
DISPLAY AND COMMUNICATION		
Display	LED Indicators & APP	
Communication	Wi-Fi/Ethernet/RS485	
MECHANICAL DATA		
Dimensions (W / H / D)	425 × 435 × 190 mm	
Weight	16KG	
DC Inputs Type	D4	
AC Outputs Type	Quick Connection Plug	
CERTIFICATION		
Compliance	IEC 62109-1/2, IEC 61000-6-1/2/3/4, IEC 61683 & EN 50530, IEC 61727/62116	