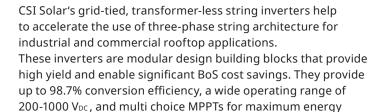




THREE PHASE STRING INVERTER 40-60 kW

CSI-40kW | CSI-50kW | CSI-60kW

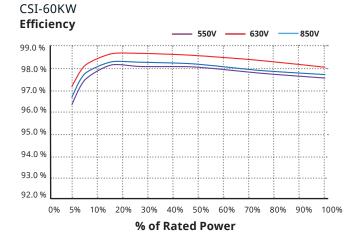


KEY FEATURES

harvesting.

- Maximum efficiency of 98.7%, Maximum EU efficiency of 98.3%
- Multiplex MPPTs design for complex application scenarios
- 15A input supports multiple high-power modules
- Integrated DC Switches
- · Smart string monitoring
- Integrated anti-PID function (Optional)
- · Supports aluminum cable

EFFICIENCY CURVE





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-40K-T4001A-E	CSI-50K-T4001A-E	CSI-60K-T4001A-E
INPUT (DC)			
Max. Input Voltage	1100 V _D C		
Start-up DC Input Voltage	195 V _{DC}		
Rated Input Voltage	600 V _{DC}		
MPPT Voltage Range		200 - 1000 V DC	
ЛРРТ No.	3	4	5
Max. String Input No.	6	8	10
Max. Input Current	3 x 30 A	4 x 30 A	5 x 30 A
Max. DC short-circuit current	3 x 40 A	4 x 40 A	5 x 40 A
OUTPUT (AC)			·
lated AC Output Power	40 kW	50 kW	60 kW
lax. AC Output Power (Apparent)	40 kVA	50 kVA	60 kVA
ated Output Voltage		380 / 400 V AC	
rid Connection Type		3 L / N / PE	
lax Output Current	60.8 A	76 A	91.2 A
ated Output Frequency		50 / 60 Hz	
HDi	< 3 %		
ower Factor	0.8 leading 0.8 lagging		
ero Export Solution	Supported		
FFICIENCY	-		
lax. Efficiency	98.7 %		
U Efficiency	98.3 %		
NVIRONMENT	<u>i</u>		
rotection Degree	IP66		
Cooling	Intelligent Fan Cooling		
perating Temperature Range	-30 °C to +60 °C		
perating Humidity	0 - 100 % Non-condensing		
Operating Altitude	4000 m (> 3000 m derating)		
ROTECTION		+000 m (> 5000 m detailing)	
OC Switch		Yes	
Anti-Islanding Protection	Yes		
C Reverse-Polarity Protection			
	Yes Yes		
OC Insulation Resistance Dection	•		
esidual Current Monitoring	Yes		
tring Monitoring	Yes		
C Output Over Current Protection	Yes		
C Short Circuit Protection	Yes		
rid Monitoring	Yes		
.nti-PID Module	Optional		
Overvoltage Class	II (DC), III (AC)		
OC / AC SPD	DC SPD Type II / AC SPD Type II		
ISPLAY AND COMMUNICATION	·	•	
isplay	LED Indicators & APP		
ommunication	RS485 / WiFi (optional)		
IECHANICAL DATA	······		
imensions (W / H / D)		720 x 555 x 288 mm	·
Veight	48 kg	50 kg	51 kg
C Connection Type	MC4		
.C Connection Type		OT Terminals	
ERTIFICATION			
afety / EMC	IEC62109, IEC 61000-6-2/3		
irid Code	IEC61727 & IEC62116, EN50549-1		

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.