

JSI-3000TL Single Phase String Inverter

Features

High performance string inverters

- > Wide PV input voltage range
- Rapid MPPT tracking technology
- > Superior PV energy harvest
- > Transformerless design with higher operation efficiency
- > Excellent thermal performance
- > High overload capability under most ambient conditions

Easy and affordable to install

- > Lightweight and compact size
- Includes a lightweight portable multi-functional bracket that simplifies installation
- Firm IP65 inverter enclosure allows outdoor and indoor application

Full data display and communications

- > LCD display energy data
- > Bright LED indicators imply system status at a glance
- PC software for remote monitoring and system troubleshooting
- > Integrated RS232 serial communications

Cost advantages

- > Transformerless design cutting down the cost
- > Light weight and small dimension, reducing shipping cost
- > IP65 protection degree, suitable for outdoor installation, reducing construction cost
- > Low maintenance expense



JSI-3000TL

Typical Efficiency Curve



Technical data

Model (JISI) 3000TL Max. DC Input Power 3660W Max. DC Voltage 500Vdc MPDF Operating Range 100~450Vdc Number of Parallel Inputs 2 Number of MPP Trackers 1 Max. Input Current 20A Nominal Output Power 3000W Max. Output Power 3400W Nominal Output Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Orif Frequency Range* 9.99 THDI <3% (at nominal output power) Max. efficiency 97.2% Euro-efficiency 96.4% MPPT efficiency 99.6% Operating Temperature 25°C~+60°C Noise (Typical) 200B (A) Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Cooling Concept R5232 (Wifi optional) Dimension (W*D*H mm) 345*152*385 Weight (Kg) 15		
Max. DC Voltage 500Vdc MPPT Operating Range 100~450Vdc Number of Parallel Inputs 2 Number of MPP Trackers 1 Max. Input Current 20A Nominal Output Power 3000W Max. Output Power 3460W Nominal Output Current 13A Max. Output Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosp) <0.99	Model (JSI)	3000TL
MPPT Operating Range 100~450Vdc Number of Parallel Inputs 2 Number of MPP Trackers 1 Max. Input Current 20A Nominal Output Power 3000W Max. Output Power 3400W Nominal Output Current 13A Max. Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Output Voltage Range* 50±5Hz Power Factor (cosp) >0.99 THDI <3% (at nominal output power)	Max. DC Input Power	3660W
Number of Parallel Inputs 2 Number of MPP Trackers 1 Max. Input Current 20A Nominal Output Power 3000W Max. Output Power 3400W Nominal Output Current 13A Max. Output Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190-265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cost) >0.99 THDI <3% (at nominal output power)	Max. DC Voltage	500Vdc
Number of MPP Trackers 1 Max. Input Current 20A Nominal Output Power 3000W Max. Output Power 3400W Nominal Output Current 13A Max. Output Voltage Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190-265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosq) >0.99 THDI <3% (at nominal output power)	MPPT Operating Range	100~450Vdc
Max. Input Current 20A Nominal Output Power 3000W Max. Output Power 3400W Nominal Output Current 13A Max. Output Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190-265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosq) >0.99 THDI <3% (at nominal output power)	Number of Parallel Inputs	2
Nominal Output Power 3400W Nominal Output Current 13A Max. Output Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cose) >0.99 THDI <3% (at nominal output power)	Number of MPP Trackers	1
Max. Output Power 3400W Nominal Output Current 13A Max. Output Voltage 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosφ) >0.99 THDI <3% (at nominal output power)	Max. Input Current	20A
Nominal Output Current 15.7A Max. Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosφ) >0.99 THDI <3% (at nominal output power)	Nominal Output Power	3000W
Max. Output Current 15.7A Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190~265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosφ) >0.99 THDI <3% (at nominal output power)	Max. Output Power	3400W
Nominal AC Output Voltage 230Vac AC Output Voltage Range* 190-265Vac AC Grid Frequency Range* 50±5Hz Power Factor (cosp) >0.99 THDI <3% (at nominal output power)	Nominal Output Current	13A
AC Output Voltage Range* AC Grid Frequency Range* Fower Factor (cosφ) THDI Salva (at nominal output power) Max.efficiency Furo.efficiency Furo.efficiency Poperating Temperature Noise (typical) Operating Consumption Electrical Isolation Transformerless Cooling Concept Protect Level Dimension (W*D*H mm) Tous 190-265Vac 190-265Vac 30.45Hz 190-265Vac 190-205Wac 30.99 190-2% 190-4% 190-2% 190-4% 190-2% 190-4% 190-2% 190-4% 190-2% 1	Max. Output Current	15.7A
AC Grid Frequency Range* Power Factor (cosφ) 7-0.99 THDI 3% (at nominal output power) Max.efficiency 97.2% Euro.efficiency 96.4% MPPT efficiency 99.6% Operating Temperature -25°C~+60°C Noise (typical) Questing Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm)	Nominal AC Output Voltage	230Vac
Power Factor (cosφ) >0.99 THDI <3% (at nominal output power)	AC Output Voltage Range*	190~265Vac
THDI <3% (at nominal output power) Max.efficiency 97.2% Euro.efficiency 96.4% MPPT efficiency 99.6% Operating Temperature -25°C~+60°C Noise (typical) ≤20dB (A) Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm)	AC Grid Frequency Range*	50±5Hz
Max.efficiency 97.2% Euro.efficiency 96.4% MPPT efficiency 99.6% Operating Temperature -25°C~+60°C Noise (typical) ≤ 20dB (A) Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	Power Factor (cosφ)	>0.99
Euro.efficiency 96.4% MPPT efficiency 99.6% Operating Temperature -25°C~+60°C Noise (typical) Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wiff optional) Dimension (W*D*H mm) 345*152*385	THDI	<3% (at nominal output power)
MPPT efficiency 99.6% Operating Temperature -25°C~+60°C Noise (typical) ≤20dB (A) Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wiff optional) Dimension (W*D*H mm) 345*152*385	Max.efficiency	97.2%
Operating Temperature -25°C~+60°C Noise (typical) ○perating Consumption ○ W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm)	Euro.efficiency	96.4%
Noise (typical) ≤20dB (A) Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	MPPT efficiency	99.6%
Operating Consumption 0 W Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	Operating Temperature	-25°C~+60°C
Electrical Isolation Transformerless Cooling Concept Natural Cooling Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	Noise (typical)	≤20dB (A)
Cooling Concept Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	Operating Consumption	0 W
Protect Level IP65 Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	Electrical Isolation	Transformerless
Communication RS232 (Wifi optional) Dimension (W*D*H mm) 345*152*385	Cooling Concept	Natural Cooling
Dimension (W*D*H mm) 345*152*385	Protect Level	IP65
	Communication	RS232 (Wifi optional)
Weight (Kg) 15	Dimension (W*D*H mm)	345*152*385
	Weight (Kg)	15

 $^{{}^\}star AC$ grid voltage range and frequency range depend on local standards.