

## Outdoor solar on-grid inverter

### JSI-5000TL

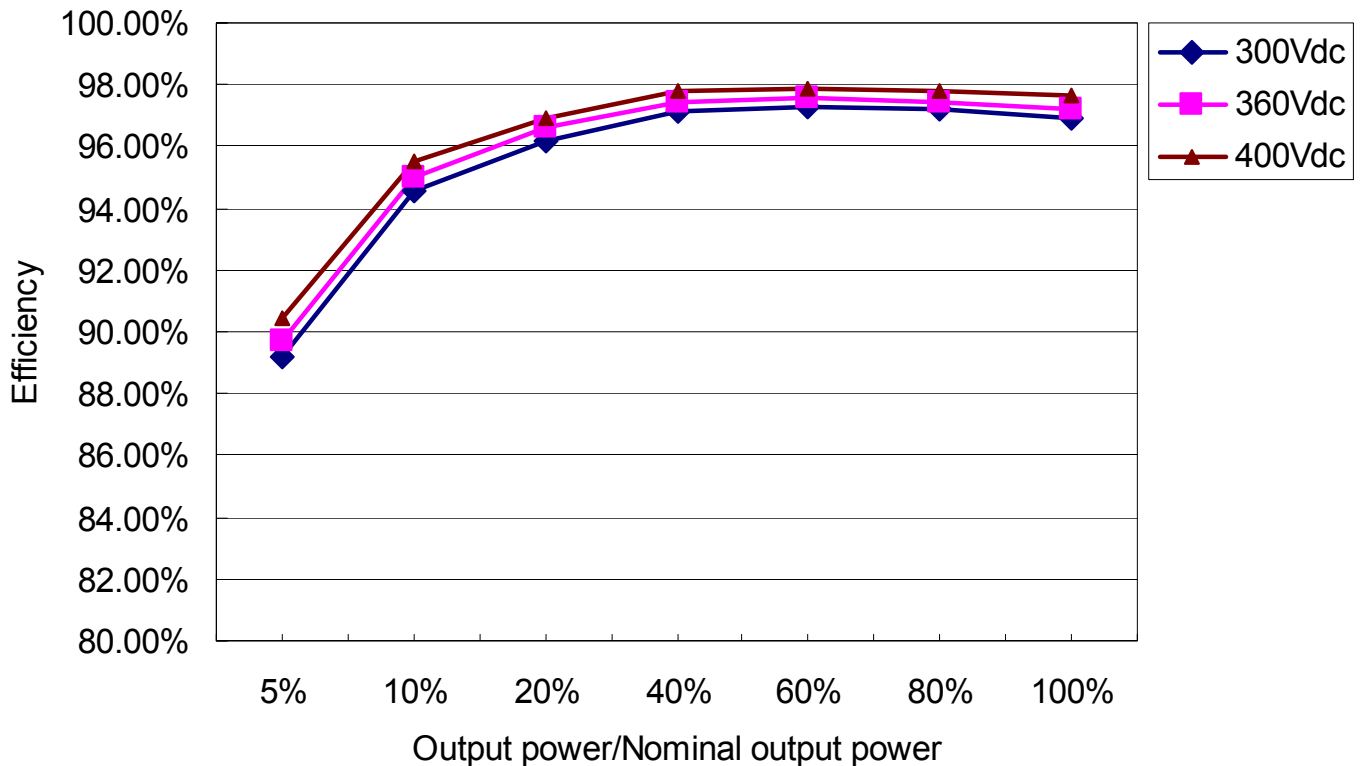
#### JSI BENEFITS

- Compact size and high power density
- High speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency: 97.6% (97% Euro)
- High overload capability: works up to 5000W under most ambient conditions
- Certified grid connected operation according to the international standards
- True Sine Wave Output
- Integrated RS-485/RS-232 serial communication
- Multi-language display



#### Typical efficiency curve

Efficiency curve



CHARACTERISTICS	JSI-5000TL
<b>Input Data(DC side)</b>	
Max. DC power	5300W
Max. DC voltage	550Vdc
MPPT Operating range	100~500Vdc
Number of parallel inputs	3
Number of MPPT trackers	1
Max. input current (total)	25A
<b>Output Data(AC side)</b>	
Nominal output power	4600W
Max. Output power	5000W
Nominal output current	20A
Max. output current	23.8A
Nominal AC voltage	230Vac
AC voltage range *	190~265Vac
Nominal AC grid frequency	50Hz
AC grid frequency range*	50 ± 5 Hz
Power factor(cos φ)	>0.99
Harmonic distortion(THDI)	<3%(at nominal output power)
<b>Efficiency</b>	
Max. efficiency	97.6%
Euro efficiency	97%
MPPT efficiency	99.6%
<b>General data</b>	
Dimensions (W / D / H)	345*162*573 mm
Net weight	26Kg
Operating temperature range	-25 °C ~ +60 °C
Noise emission (typical)	≤ 25 dB(A)
Power consumption at night	0 W
Electrical isolation	Transformer-less
Cooling concept	Natural cooling
IP Code	IP65
Communication	RS-485/RS-232

\* AC grid voltage range and frequency range depend on local standards.

## STANDARDS AND CODES

JSI inverters comply with standards set for grid-tied operation, safety and electromagnetic compatibility including: VDE0126-1-1, DK5940, AS4777, IEC 62109-1, IEC62109-2, EN50178, EN61000, G83/1, CE certification.

MODEL SUMMARY	
Model name	Output power
JSI-5000TL	4600W
JSI-5000TL-S	4600W

-S suffix indicate an integrated DC switch