

Outdoor solar on-grid inverter

JSI-1500TL

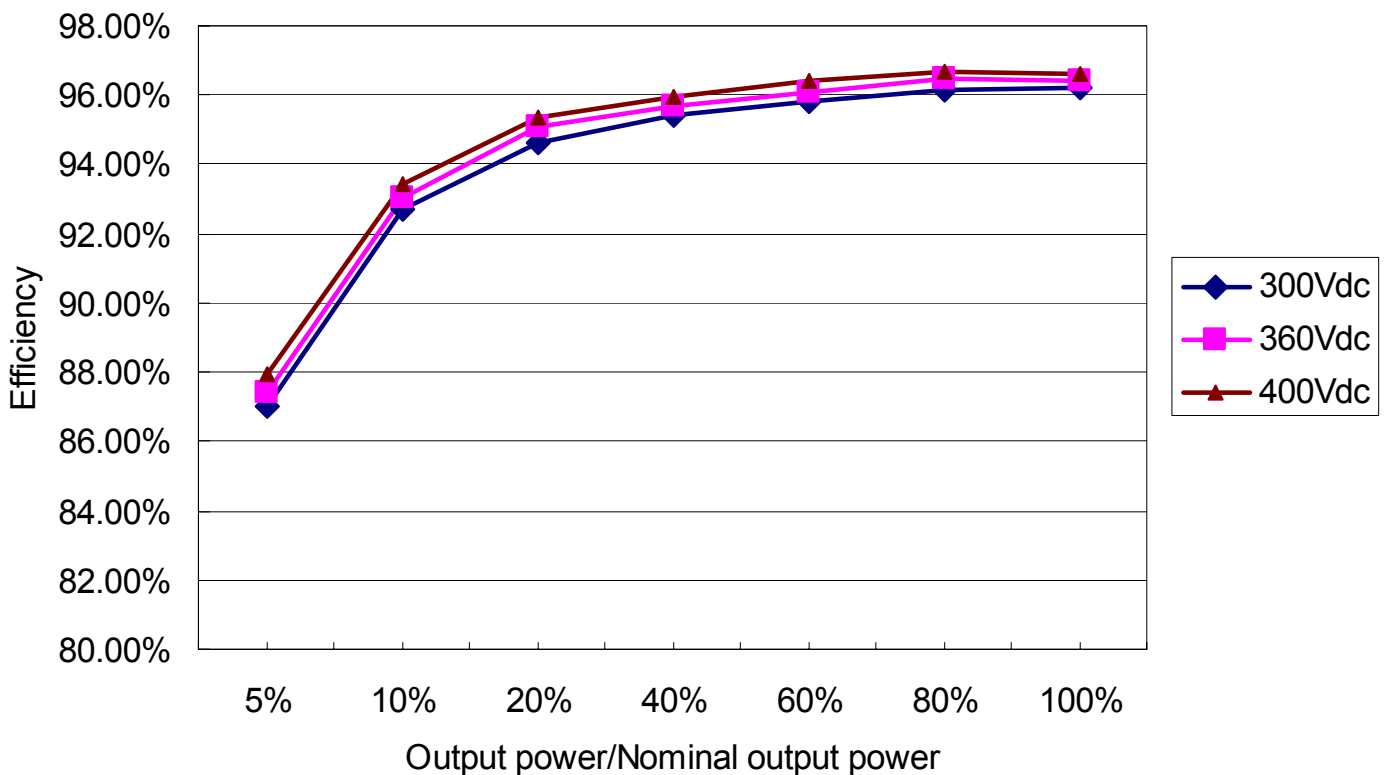
JSI BENEFITS

- Compact size and high power density
- High speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency: 96.5% (95.5% Euro)
- High overload capability: works up to 1650W 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-1500TL
Input Data(DC side)	
Max. DC power	1750W
Max. DC voltage	450Vdc
MPPT Operating range	100~450Vdc
Number of parallel inputs	1
Number of MPPT trackers	1
Max. input current (total)	9A
Output Data(AC side)	
Nominal output power	1500W
Max. Output power	1650W
Nominal output current	6.5A
Max. output current	7.9A
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)
Efficiency	
Max. efficiency	96.5%
Euro efficiency	95.5%
MPPT efficiency	99.6%
General data	
Dimensions (W / D / H)	345*162*354 mm
Net weight	12Kg
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-232 (RS-485 is optional)

* 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-2000TL	1500W
JSI-2000TL-S	1500W

-S suffix indicate an integrated DC switch

Outdoor solar on-grid inverter

JSI-2000TL

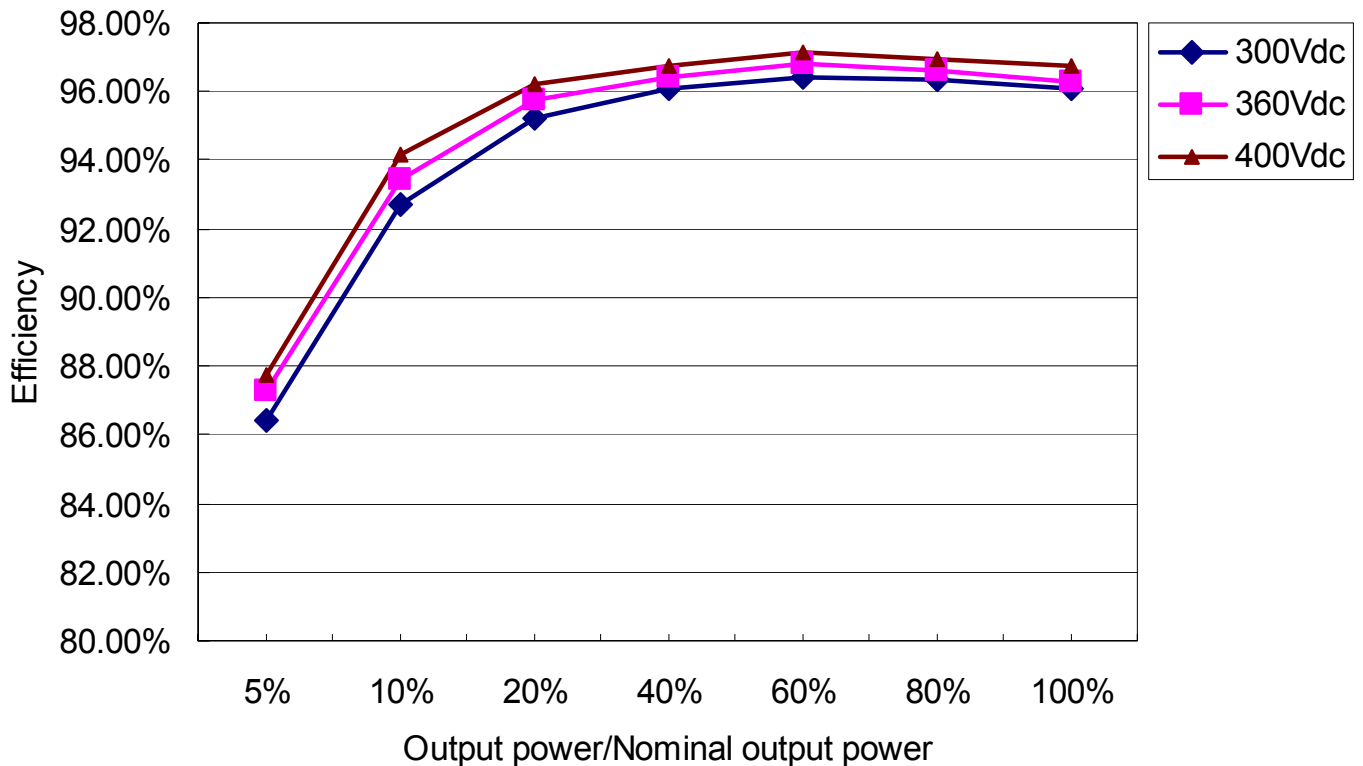
JSI BENEFITS

- Compact size and high power density
- High speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency: 97% (96.2% Euro)
- High overload capability: works up to 2200W 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-2000TL
Input Data(DC side)	
Max. DC power	2300W
Max. DC voltage	500Vdc
MPPT Operating range	100~450Vdc
Number of parallel inputs	1
Number of MPPT trackers	1
Max. input current (total)	10A
Output Data(AC side)	
Nominal output power	2000W
Max. Output power	2200W
Nominal output current	8.7A
Max. output current	10.5A
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)
Efficiency	
Max. efficiency	97%
Euro efficiency	96.2%
MPPT efficiency	99.6%
General data	
Dimensions (W / D / H)	345*162*354 mm
Net weight	15Kg
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-232 (RS-485 is optional)

* 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-2000TL	2000W
JSI-2000TL-S	2000W

-S suffix indicate an integrated DC switch

Outdoor solar on-grid inverter

JSI-3000TL

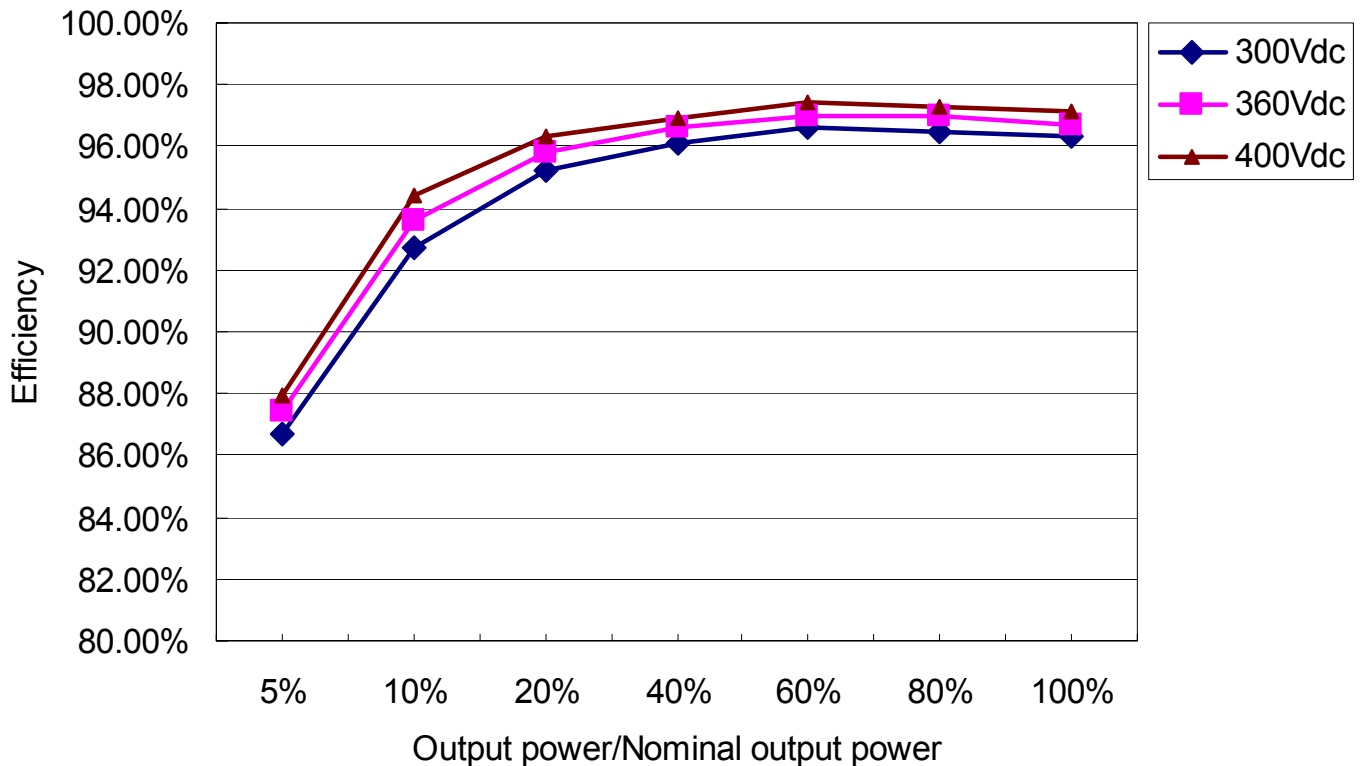
JSI BENEFITS

- Compact size and high power density
- High speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency: 97.2% (96.4% Euro)
- High overload capability: works up to 3400W 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-3000TL
Input Data(DC side)	
Max. DC power	3660W
Max. DC voltage	500Vdc
MPPT Operating range	100~450Vdc
Number of parallel inputs	2
Number of MPPT trackers	1
Max. input current (total)	20A
Output Data(AC side)	
Nominal output power	3000W
Max. Output power	3400W
Nominal output current	13A
Max. output current	15.7A
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)
Efficiency	
Max. efficiency	97.2%
Euro efficiency	96.4%
MPPT efficiency	99.6%
General data	
Dimensions (W / D / H)	345*162*384 mm
Net weight	17Kg
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-232 (RS-485 is optional)

* 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-3000TL	3000W
JSI-3000TL-S	3000W

-S suffix indicate an integrated DC switch

Outdoor solar on-grid inverter

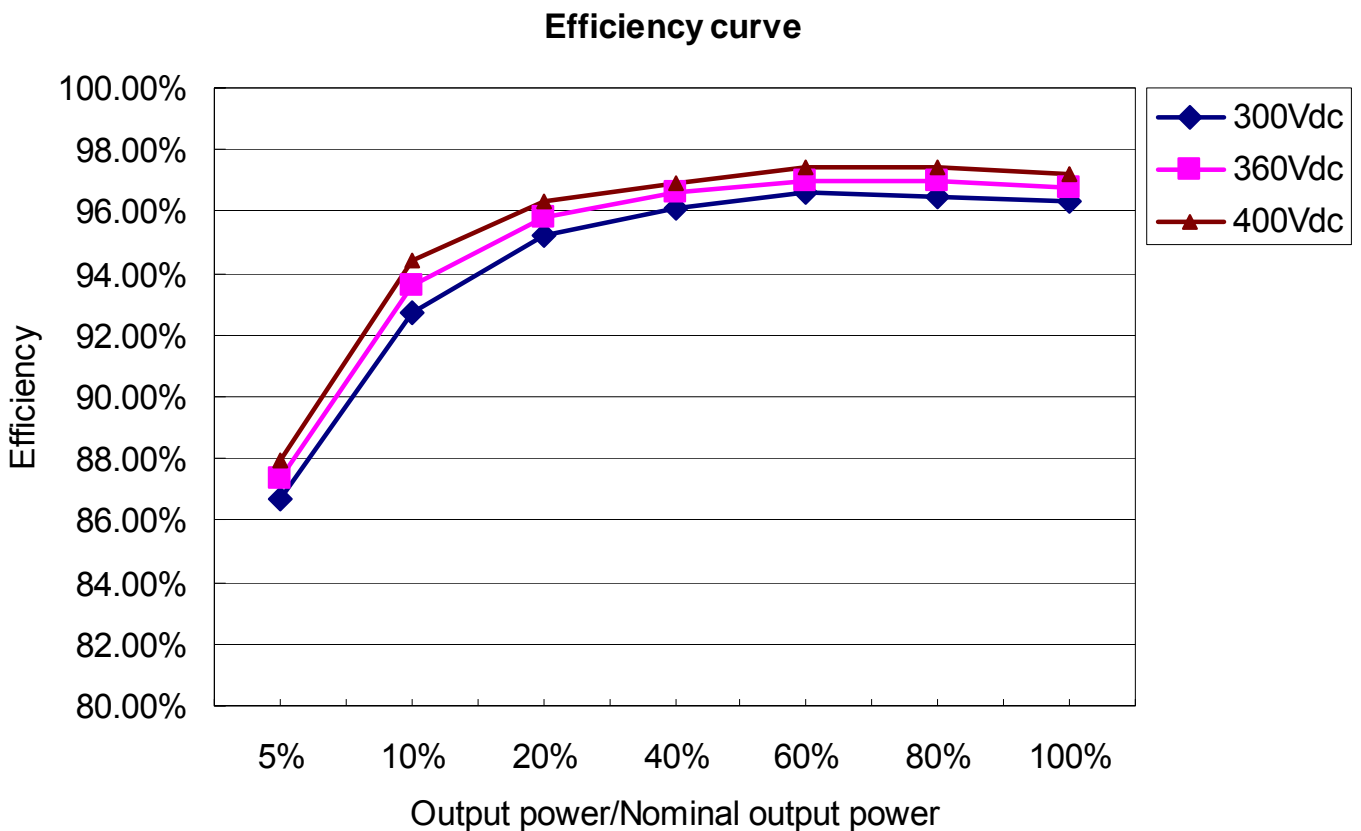
JSI-3600TL

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: 97.3% (96.6% Euro)
- High overload capability: works up to 4000W 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



CHARACTERISTICS	JSI-3600TL
Input Data(DC side)	
Max. DC power	4180W
Max. DC voltage	500Vdc
MPPT Operating range	100~450Vdc
Number of parallel inputs	2
Number of MPPT trackers	1
Max. input current (total)	20A
Output Data(AC side)	
Nominal output power	3600W
Max. Output power	4000W
Nominal output current	15.7A
Max. output current	19A
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)
Efficiency	
Max. efficiency	97.3%
Euro efficiency	96.6%
MPPT efficiency	99.6%
General data	
Dimensions (W / D / H)	345*162*384 mm
Net weight	17Kg
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-232(RS-485 is optional)

* 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-3600TL	3600W
JSI-3600TL-S	3600W

-S suffix indicate an integrated DC switch

Outdoor solar on-grid inverter

JSI-5000TL

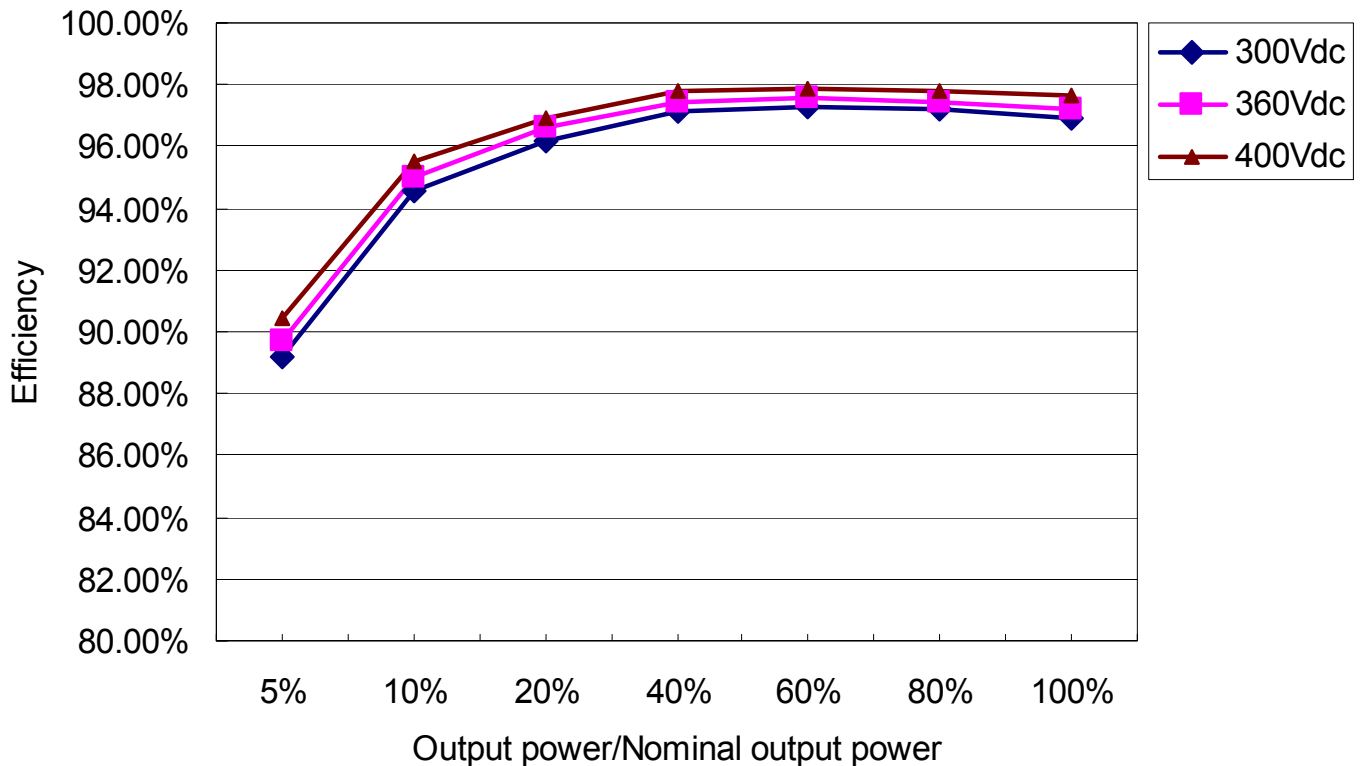
JSI BENEFITS

- 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
Input Data(DC side)	
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
Output Data(AC side)	
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)
Efficiency	
Max. efficiency	97.6%
Euro efficiency	97%
MPPT efficiency	99.6%
General data	
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

Outdoor on-grid inverter

JSI-6000TL

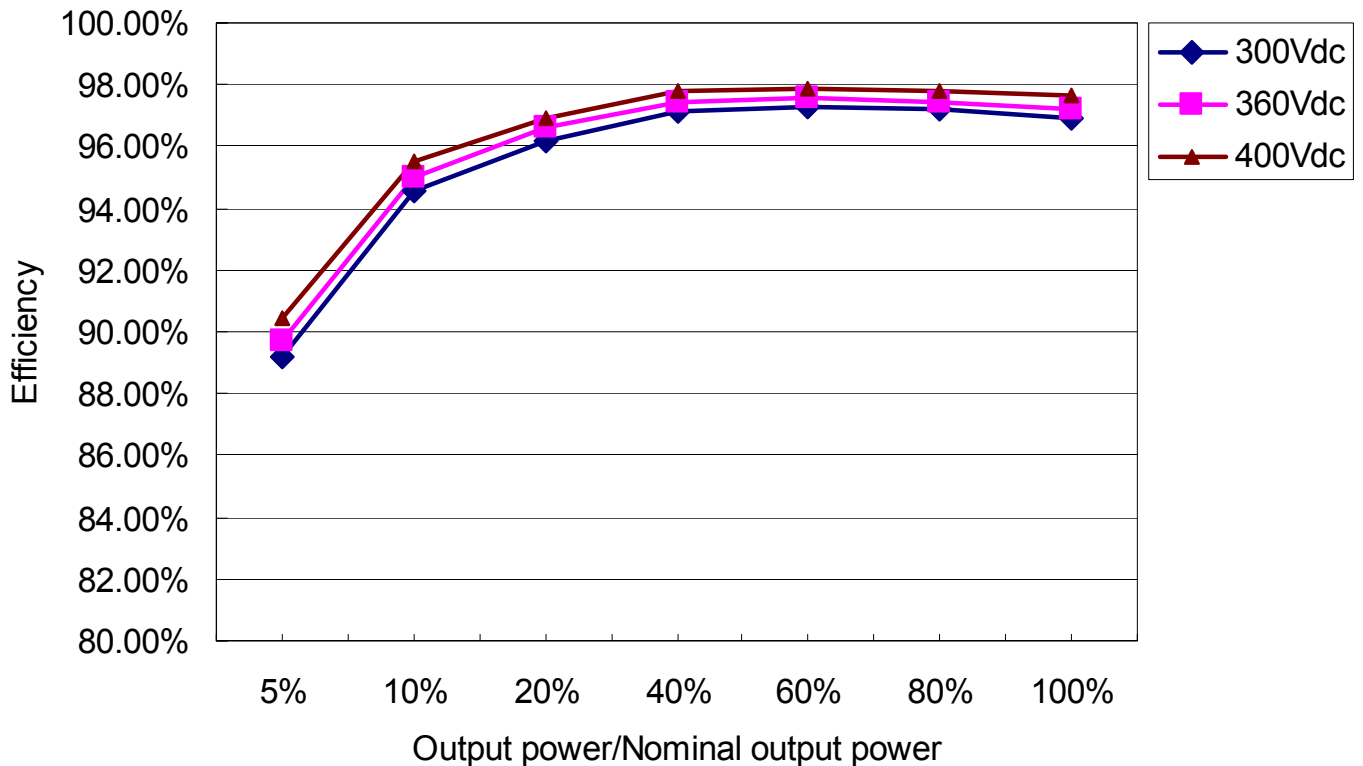
JSI BENEFITS

- 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% (97.1% Euro)
- High overload capability: works up to 6000W 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-6000TL
Input Data(DC side)	
Max. DC power	6400W
Max. DC voltage	550Vdc
MPPT Operating range	100~500Vdc
Number of parallel inputs	3
Number of MPPT trackers	1
Max. input current (total)	27A
Output Data(AC side)	
Nominal output power	6000W
Max. Output power	6000W
Nominal output current	26A
Max. output current	28.6A
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)
Efficiency	
Max. efficiency	97.6%
Euro efficiency	97.1%
MPPT efficiency	99.6%
General data	
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-6000TL	6000W
JSI-6000TL-S	6000W

-S suffix indicate an integrated DC switch

Outdoor solar on-grid inverter

JSI-10000TL

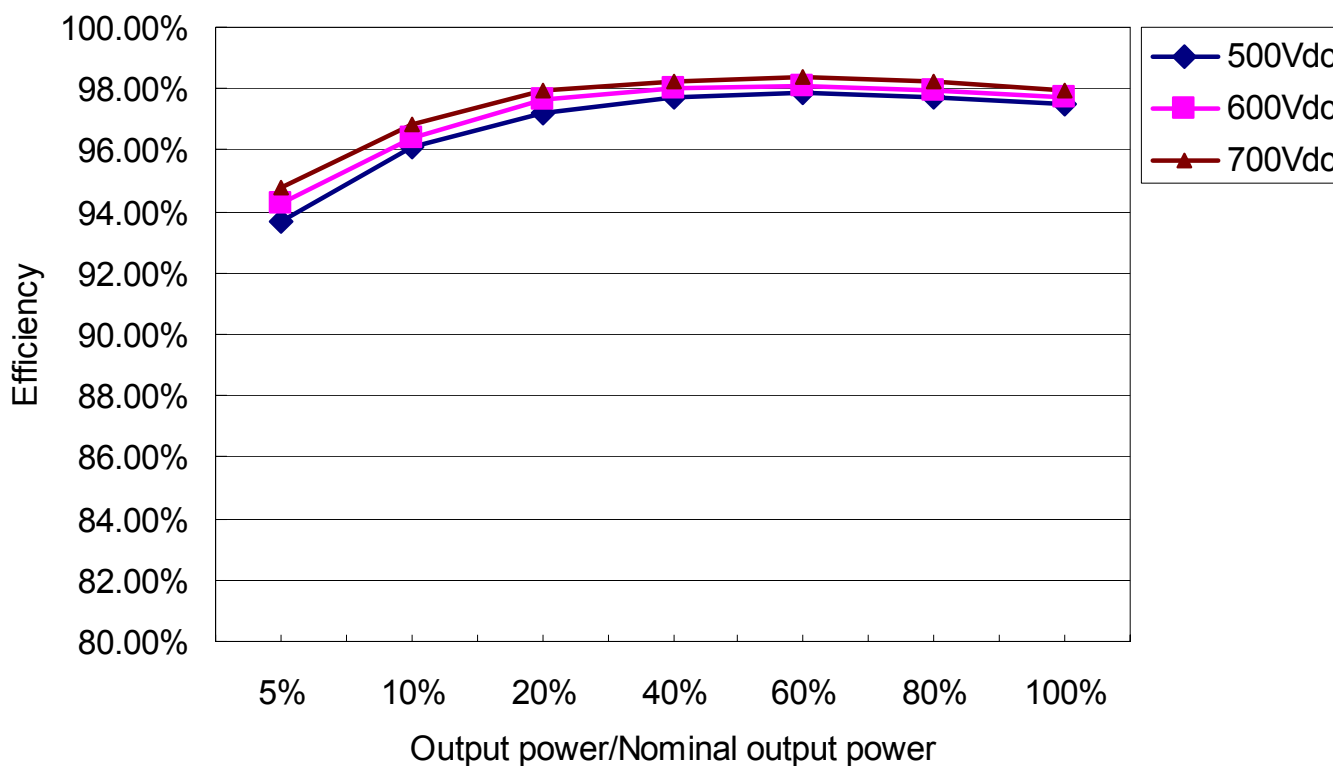
JSI BENEFITS

- Power reduction (100%, 60%, 30%, 0%) meet German EEG requirements
- Compact size and high power density
- 3 channels high speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency 98.2% (97.6% Euro)
- High overload capability: works up to 11KW under most ambient conditions
- Certified grid connected operation according to the international standards
- True three phases inverter
- Integrated RS-485/RS-232 serial communication
- Multi-language display



Typical efficiency curve

Efficiency curve



CHARACTERISTICS	JSI-10000TL
Input Data(DC side)	
Max. DC power	12400W
Max. DC voltage	900Vdc
MPPT Operating range	200~800Vdc
Number of inputs	3
Number of MPPT trackers	3
Max. input current	39A (13A per tracker)
Output Data(AC side)	
Nominal output power	10000W
Max. Output power	11000W
Nominal output current	14.5A per phase
Max. output current	17.5A per phase
Nominal AC voltage	400Vac
Possible AC voltage range *	330~480Vac
Nominal AC grid frequency	50Hz
Possible AC grid frequency range*	50 ± 5 Hz
Power factor(cos φ)	0.9(leading)~0.9(lagging)
Harmonic distortion(THDI)	<3%(at nominal output power)
Efficiency	
Max. efficiency	98.2%
Euro efficiency	97.6%
MPPT efficiency	99.6%
General data	
Dimensions (W / D / H)	480*182*640 mm
Net weight	38Kg
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	Fan cooling (IP54 fan)
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, G59/1, CE certification.

MODEL SUMMARY	
Model name	Output power
JSI-10000TL	10KW
JSI-10000TL-S	10KW

-S suffix indicate an integrated DC switch

Outdoor solar on-grid inverter

JSI-12500TL

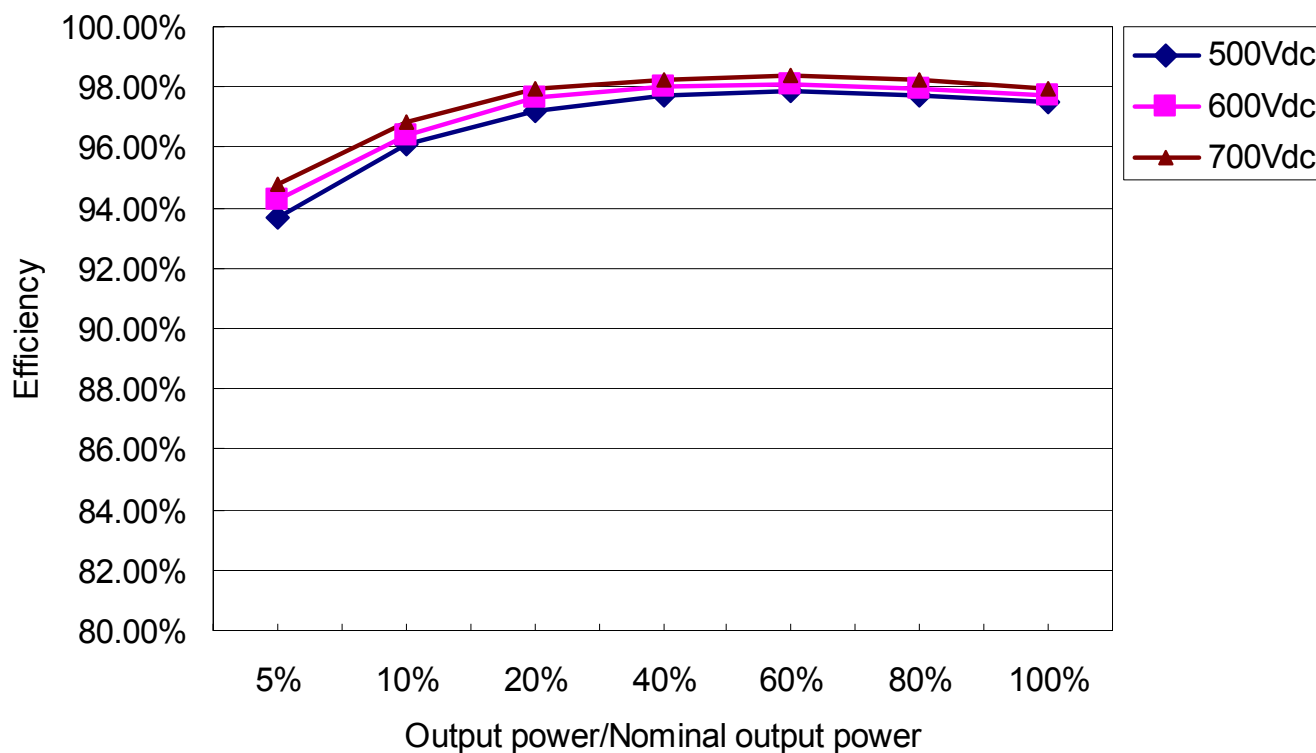
JSI BENEFITS

- Power reduction (100%, 60%, 30%, 0%) meet German EEG requirements
- Compact size and high power density
- 3 channels high speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency: 98.3% (97.6% Euro)
- High overload capability: works up to 12.5KW under most ambient conditions
- Certified grid connected operation according to the international standards
- True three phases inverter
- Integrated RS-485/RS-232 serial communication
- Multi-language display



Typical efficiency curve

Efficiency curve



CHARACTERISTICS	JSI-12500TL
Input Data(DC side)	
Max. DC power	15500W
Max. DC voltage	900Vdc
MPPT Operating range	200~800Vdc
Number of inputs	3
Number of MPPT trackers	3
Max. input current	48A (16A per tracker)
Output Data(AC side)	
Nominal output power	12500W
Max. Output power	12500W
Nominal output current	18.1A per phase
Max. output current	19.9A per phase
Nominal AC voltage	400Vac
Possible AC voltage range *	330~480Vac
Nominal AC grid frequency	50Hz
Possible AC grid frequency range*	50 ± 5 Hz
Power factor(cos φ)	0.9(leading)~0.9(lagging)
Harmonic distortion(THDI)	<3%(at nominal output power)
Efficiency	
Max. efficiency	98.3%
Euro efficiency	97.6%
MPPT efficiency	99.6%
General data	
Dimensions (W / D / H)	480*182*640 mm
Net weight	38Kg
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	Fan cooling(IP54 fan)
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, G59/1, CE certification.

MODEL SUMMARY	
Model name	Output power
JSI-12500TL	12.5KW
JSI-12500TL-S	12.5KW

-S suffix indicate an integrated DC switch