

Outdoor solar on-grid inverter

JSI-1500TL

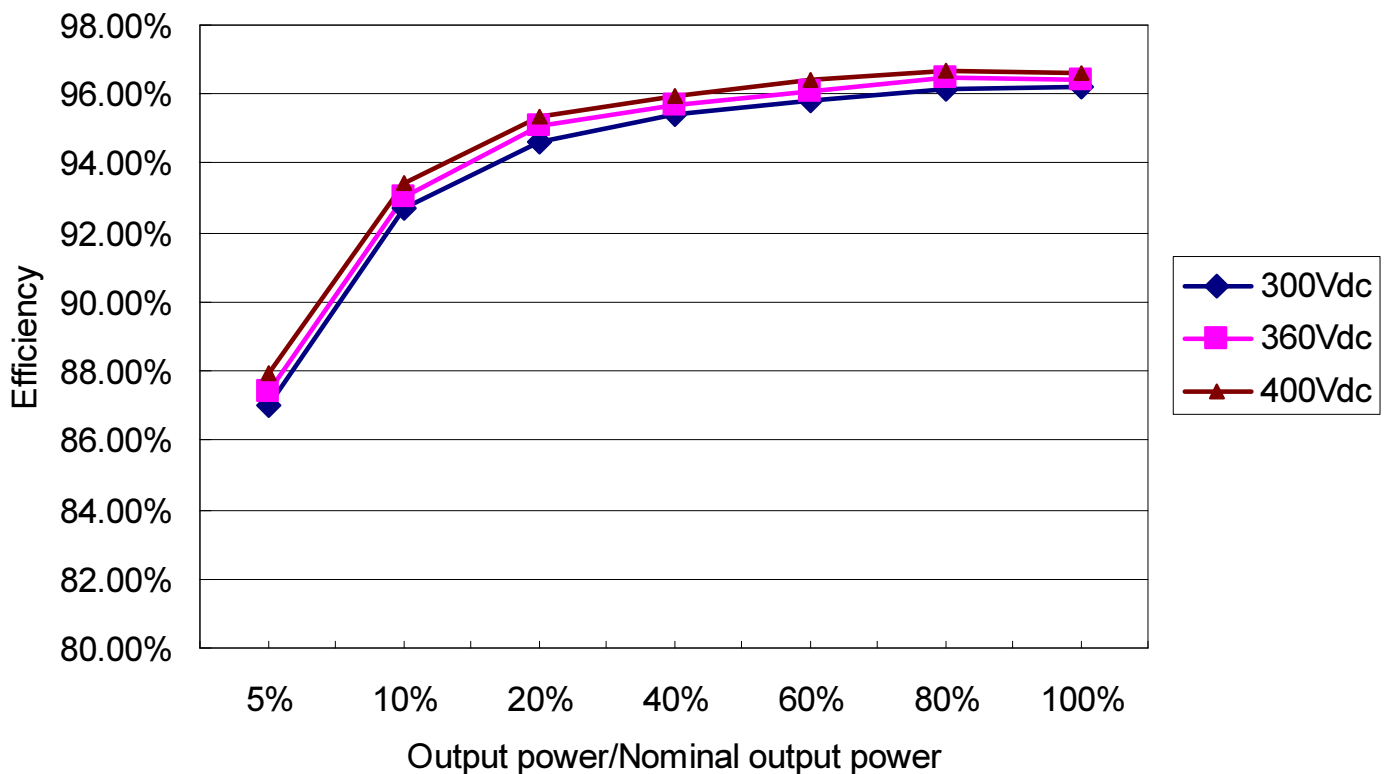
JSI BENEFITS

- 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



Shenzhen JingFuYuan Tech. Co., LTD

| 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 | Issued in 2010-11-2 Ver 1.2 |
| 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 | |
| Advised AC Wiring | 3 x 2,5 mm ² | |
| Communication | RS-232 (RS-485 is optional) | |

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

| MODEL SUMMARY | |
|---------------|--------------|
| Model name | Output power |
| JSI-1500TL | 1500W |
| JSI-1500TL-S | 1500W |

-S suffix indicate an integrated DC switch

STANDARDS AND CODES

JFY 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.