

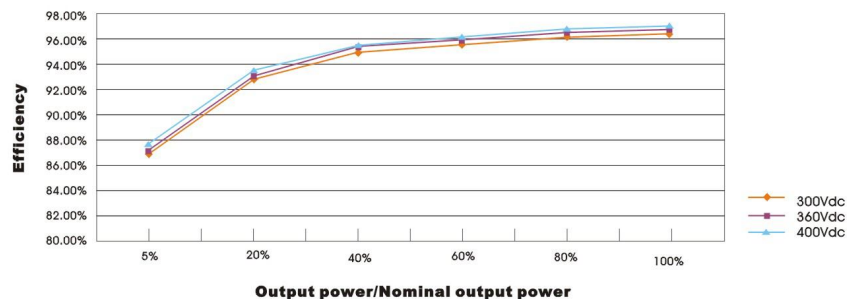


CR-1500TL

REWATT 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-232 serial communication
- Multi-language display

Typical efficiency curve



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)	10A

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 (cosΦ)	>0.99
Harmonic distortion (THDI)	<2% (at nominal output power)

Efficiency

Max. efficiency	96.5%
Euro efficiency	95.5%
MPPT efficiency	99.6%

General data

Dimensions (W / D / H)	345*152*315 mm
Net weight	12Kg
Operating temperature range	-25 °C ~ +60 °C
Noise emission (typical)	≤ 20 dB (A)
Power consumption at night	0 W
Electrical isolation	Transformer-less
Cooling concept	Natural cooling
IP Code	Ip65
Communication	RS-232

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

MODEL SUMMARY

Model name	Output power
CR-1500TL	1500W

STANDARDS AND CODES

REWATT 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.