

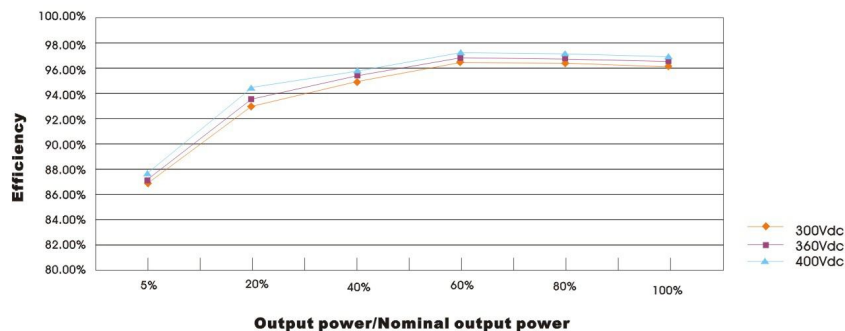


CR-3000TL

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: 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



CR-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.

MODEL SUMMARY

Model name	Output power
CR-3000TL	3000W
CR-3000TL-S	S3000W

-S suffix indicate an integrated DC switch

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.