

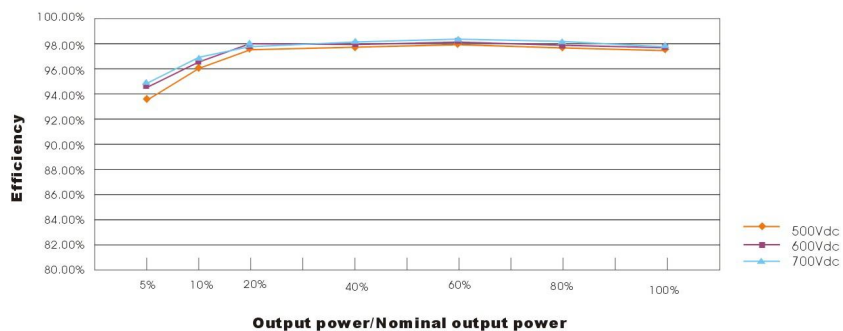


CR-10000DTL

REWATT BENEFITS

- Compact size and high power density
- 2 channels high speed MPPT for real time power tracking and improved energy harvesting
- Transformer-less operation for highest efficiency 98.2% (97.6% Euro)
- High overload capability: works up to 10KW or 12KW under most ambient conditions
- Certified grid connected operation according to the international standards
- True three phases inverter
- Integrated RS-485/RS-232 serial communication
- Cooling fan is easy to maintain
- Multi-language display

Efficiency curve



Input Data (DC side)	
Max. DC power	10300W
Max. DC voltage	1000Vdc
MPPT Operating range	250~800Vdc
Number of parallel inputs	4
Number of MPPT trackers	2
Max. input current (total)	44A (22A per tracker)

Output Data (AC side)	
Nominal output power	10000W
Max. Output power	10000W
Nominal output current	14.5A per phase
Max. output current	16.2A 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)	470*165*585 mm
Net weight	35Kg
Operating temperature range	-25 °C ~ +60 °C
Noise emission (typical)	≤ 45 dB (A)
Power consumption at night	0 W
Electrical isolation	Transformer-less
Cooling concept	Fan cooling (1p54 fan)
IP Code	Ip65
Communication	RS-485/RS-232

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

MODEL SUMMARY	
Model name	Output power
CR-10000DTL	10kW

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, G59/1, CE certification.