

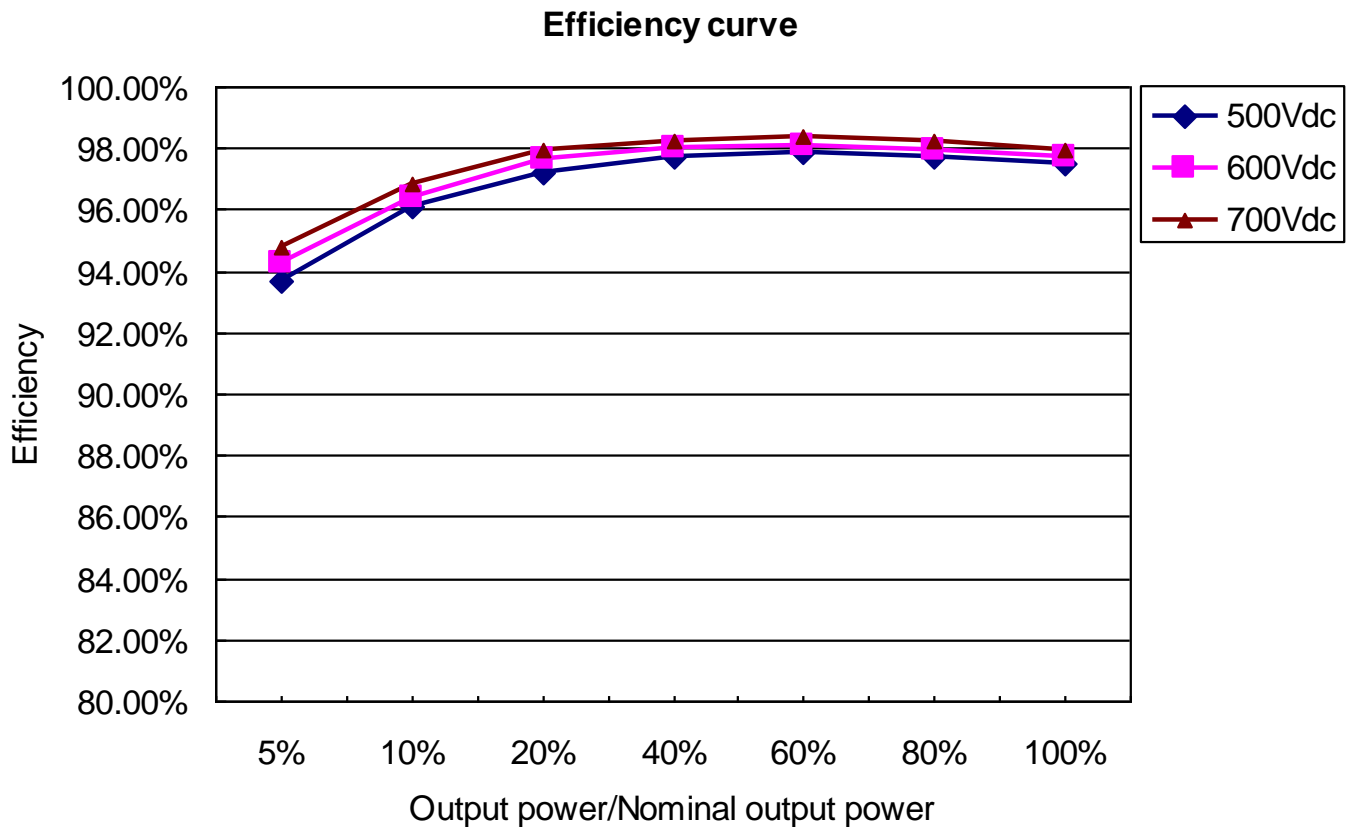
## Outdoor solar on-grid inverter

### Three Phases Rewatt Series

#### 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 98.1% (97.3% Euro)
- High overload capability: works up to 5kw, 6KW or 8KW 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

#### Typical efficiency curve



CHARACTERISTICS	CR-5000TRI	CR-6000TRI	CR-8000TRI
<b>Input Data(DC side)</b>			
Max. DC power	5180W	6200W	8300W
Max. DC voltage	900Vdc	900Vdc	900Vdc
MPPT Operating range	250~800Vdc	250~800Vdc	250~800Vdc
Number of inputs	2	2	2
Number of MPPT trackers	2	2	2
Max. total input current	20A (10A per tracker)	24A (12A per tracker)	32A (16A per tracker)
<b>Output Data(AC side)</b>			
Nominal output power	5000W	6000W	8000W
Max. Output power	5000W	6000W	8000W
Nominal output current	7.3A per phase	8.7A per phase	11.6A per phase
Max. output current	7.9A per phase	9.5A per phase	12.7A per phase
Nominal AC voltage	400Vac	400Vac	400Vac
Possible AC voltage range *	330~480Vac	330~480Vac	330~480Va
Nominal AC grid frequency	50Hz	50Hz	50Hz
Possible AC grid frequency range*	50 ± 5 Hz	50 ± 5 Hz	50 ± 5 Hz
Power factor(cos φ)	0.9(leading)~0.9(lagging)	0.9(leading)~0.9(lagging)	0.9(leading)~0.9(lagging)
Harmonic distortion(THDI)	<3%(at nominal output power)	<3%(at nominal output power)	<3%(at nominal output power)
<b>Efficiency</b>			
Max. efficiency	97.6%	97.8%	98.1%
Euro efficiency	96.7%	96.9%	97.3%
MPPT efficiency	99.6%	99.6%	99.6%
<b>General data</b>			
Dimensions (W / D / H)	470*165*560 mm		
Net weight	32Kg		
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 (IP54 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-5000TRI	5KW
CR-6000TRI	6KW
CR-8000TRI	8KW

#### STANDARDS AND CODES

Rewatt inverters comply with standards set for grid-tied operation, safety and electromagnetic compatibility including: VDE4105, ENEL, AS4777, IEC 62109-1, IEC62109-2, EN50178, EN61000, G59/2, CE certification.