

# Beijing Rewatt New Energy Technology Co.,Ltd

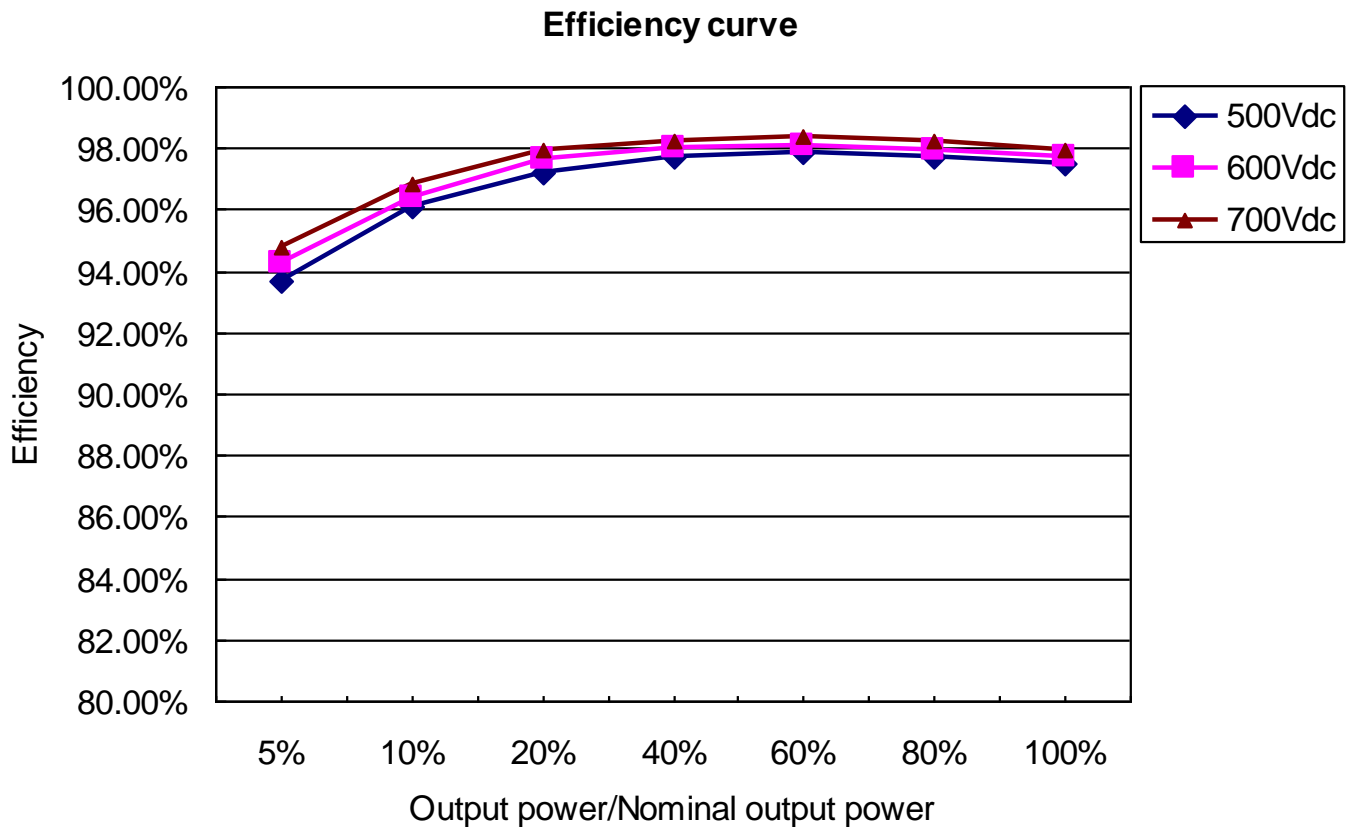
## Outdoor solar on-grid inverter

### 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 98.3% (97.7% Euro)
- High overload capability: works up to 15KW, 17KW or 20KW 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-15000TRI	CR-17000TRI	CR-20000TRI
<b>Input Data(DC side)</b>			
Max. DC power	15400W	17500W	20500W
Max. DC voltage	1000Vdc	1000Vdc	1000Vdc
MPPT Operating range	250~800Vdc	250~800Vdc	250~800Vdc
Number of inputs	4	4	4
Number of MPPT trackers	2	2	2
Max. input current(total)	50A (25A per tracker)	54A (27A per tracker)	54A (27A per tracker)
<b>Output Data(AC side)</b>			
Nominal output power	15000W	17000W	20000W
Max. Output power	15000W	17000W	20000W
Nominal output current	21.7A per phase	24.6A per phase	29.0A per phase
Max. output current	24.3A per phase	27.5A per phase	32.4A per phase
Nominal AC voltage	400Vac	400Vac	400Vac
Possible AC voltage range *	330~480Vac	330~480Va	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	98.2%	98.2%	98.3%
Euro efficiency	97.6%	97.6%	97.7%
MPPT efficiency	99.6%	99.6%	99.6%
<b>General data</b>			
Dimensions (W / D / H)	470*165*605 mm		
Net weight	40Kg		
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-15000TRI	15KW
CR-17000TRI	17KW
CR-20000TRI	20KW

## 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.