

# Conergy WR 1700-5900E



CONERGY

The Conergy WR series combines contemporary design with the technology of the future. The integrated display, a standard feature on all models in the series, provides access to all relevant system parameters. Data logging and communication with Conergy WR inverters is easy with a plug-and-play slot-in card system. Cards can be added to the WR inverters any time for a wide range of applications, e.g. for data transmission or remote monitoring.

A wide input voltage range and high efficiency make the Conergy WR series ideal for flexible system design. All Conergy WR inverters can be combined to achieve increased system outputs.



PHOTOVOLTAICS

## Technical Data Conergy WR 1700-5900E

	WR 1700	WR 2300	WR 3300	WR 4600	WR 5900E
MPP voltage range ( $V_{MPP}$ )	150-400 V	150-400 V	150-400 V	150-400 V	150-400 V
Max. DC voltage ( $V_{DC_{MAX}}$ )	500 V	500 V	500 V	500 V	530 V
Max. power (PDC)	1,630 W	2,170 W	2,880 W	4,460 W	5,430 W
Recommended max. PV output ( $P_{DC_{MAX}}$ )	2,000 Wp	2,700 Wp	3,600 Wp	5,500 Wp	6,700 Wp
Max. input current	10.8 A	14.3 A	19.0 A	29.4 A	35.8 A
Mains voltage (VAC)	230 V	230 V	230 V	230 V	230 V
Frequency (f)	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Nominal power (PAC)	1,300 W	1,800 W	2,500 W	3,500 W	4,600 W
Max. power (PAC)	1,500 W	2,000 W	2,650 W	4,100 W	5,000 W
THD (Power Factor=1)	< 3.5 %	< 3.5 %	< 3.5 %	< 3.5 %	< 3.5 %
Max. efficiency	94.2 %	94.3 %	94.3 %	94.3 %	94.3 %
Mechanical size (H x W x D, mm)	366 x 344 x 220	366 x 344 x 220	366 x 344 x 220	610 x 344 x 220	610 x 344 x 220
Weight	9 kg	9 kg	9 kg	16 kg	16 kg
Cooling	Regulated forced ventilation				
Temperature range	-20 to 50 °C				
Ingress protection	IP 21 (optionally IP 45)				
Warranty	5 years				
DC surge voltage protection	Integrated				
Reverse polarity protection	Integrated				
Behaviour on DC overload	Shift the operating point				

Your specialist supplier:



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