

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.



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:



1300 881 440