

1000 V

800 V

600 V

50 V



ARADEx

VECTOPOWER VP600-1BW

the 1000 V inverter **available fall 2016**

VP600 advantages

- + extremely compact design
- + sensorless propeller drive
- + easy connection and commissioning
- + ARADEx control technology with fast current control for ideal power provision
- + extremely sturdy and stable design
- + all motor types supported
- + optional PLC available
- + PWM frequencies adjustable on the fly

1000 V advantages

- + the IP66 protection class means that an extra control cabinet is not required
- + extremely low heat emission into the air of the engine room.

Application areas

The almost unlimited selection of working voltage and the extensive parameter possibilities mean that the VP600-1BW range can be universally used.

- + Propulsion
- + Generators
- + DC/DC

Technical data of the VP600-1BW-Series

| | VP600-1BW1E0 | VP600-1BW1L0 | VP600-1BW1H0 |
|--------------------------|----------------------------------|----------------------------------|----------------------------------|
| Application area | 525 kW, VP600, 1000V | 725 kW, VP600, 1000V | 925 kW, VP600, 1000V |
| Article no. | VP600-1BW1E0-64.1.20.14.00 | VP600-1BW1L0-64.1.20.14.00 | VP600-1BW1H0-64.1.20.14.00 |
| Voltage range | 30 - 1050 VDC | 30 - 1050 VDC | 30 - 1050 VDC |
| Thermal nominal current* | 550 A. rms | 734 A. rms | 936 A. rms |
| Peak current* | 632 A. rms | 980 A. rms | 1250 A. rms |
| Continuous power* | 687 kVA | 917 kVA | 1170 kVA |
| Peak power* | 790 kVA | 1225 kVA | 1562 kVA |
| PWM frequency | 2 - 6 kHz adjustable | 2 - 6 kHz adjustable | 2 - 6 kHz adjustable |
| Communication | CAN, VECTOBUS | CAN, VECTOBUS | CAN, VECTOBUS |
| Dimensions | H 419 mm W 1231 mm D 600 mm | H 419 mm W 1231 mm D 600 mm | H 419 mm W 1231 mm D 600 mm |
| Weight | approx. 120 kg | approx. 120 kg | approx. 120 kg |
| Cooling | water/glycol | water/glycol | water/glycol |
| Max. cooling temperature | max. 35°C without derating | max. 35°C without derating | max. 35°C without derating |
| Protection class | IP66 | IP66 | IP66 |

* Values are dependent upon cooling, voltage and PWM frequency. Measured at 15 litres coolant flowrate at 35°C and 2,5 kHz, if not stated otherwise.

We reserve the right to technical modifications!

Interested? Give us a call:

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