

## High voltage DC/DC power supply block JETDB4000



### Features

- Input voltage 320 VDC  $\pm$  10%
- Two separate independent output voltage channels 320 V and 28 V
- Output current 4,7 A at the first 320 V (1,5 kW) and 89 A at the second channel 28 V (2,5 kW)
- Overvoltage, undervoltage, overcurrent protection at the input
- Short circuit, overcurrent, undervoltage protection at the output
- Thermal protection
- Remote control Ethernet LAN and LED failure diagnostics
- Air convection cooling

### Description

The unit consists of two independent DC/DC converters with independent protection schemes at the input. The first transducer has an output power of 1.5 kW (320 V output voltage) with independent protection schemes for the output.

The second transducer has an output power of 2.5 kW (28 V output voltage) and is composed of 6 independent modules with the output power of 420 W each, with separate and independent output connectors for output protection schemes.

## Technical specification

Parameter	1 <sup>st</sup> channel, 320V	2 <sup>nd</sup> channel, 28V
Input voltage	320 VDC $\pm$ 10%	
Output voltage	320V	28V
Output voltage adjustment	-	$\pm$ 2V
Output voltage regulation with load change from 10 to 100%, not more	$\pm$ 1%	$\pm$ 1%
Output voltage ripple, peak-to-peak, not more	0,2%	150 mV
Efficiency, with load from 50 to 100%, not less	85%	85%
Number of output voltage channels	1 channel 1,5 kW	6 channels with 420 W
Total dimensions	300 x40 x 150 mm	
Total weight	20 kg	

## Certificates

### Certificate ISO 9001\*

### CE Conformity declaration

\* Quality Management system at Alexander Electric, including R&D departments, is certified in accordance with ISO.

## Contact

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