

High voltage DC/DC power supply block JETB16500



Features

- Input voltage 320 VDC \pm 10%
- Output voltage 28 V
- Total output current up to 590 A
- 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
- Liquid cooling

Description

The unit consists of two independent DC / DC converters placed within a common case and connected via separate inputs with independent input protection schemes.

The first converter has a power of 13 kW (28 V output voltage), and is made of five independent modules with output power of 2.6 kW, each with separate and independent output connectors for output protection schemes.

The second converter has a power of 3.5 kW (28 V output voltage) and is made of six independent modules with output power of 580 W, each with separate and independent output connectors for output protection schemes.

Technical specification

Input voltage	320 VDC ±10%
Output voltage	28 V
Output voltage	±2 V
Output voltage regulation with load change from 10 to 100%, not more	±1%
Output voltage ripple, peak-to-peak, not more	150 mV
Efficiency, with 50...100%, not less	85%
Number of voltage channels 28V	5 channels with 2,6 kW and 6 channels with 580 W
Cooling method	liquid
Dimensions	400 x 450 x 300 mm
Total weight	40 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

<http://www.goncharov-jet.com>, e-mail: rnd@goncharov-jet.com, tel./fax: +420 281 001 341

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