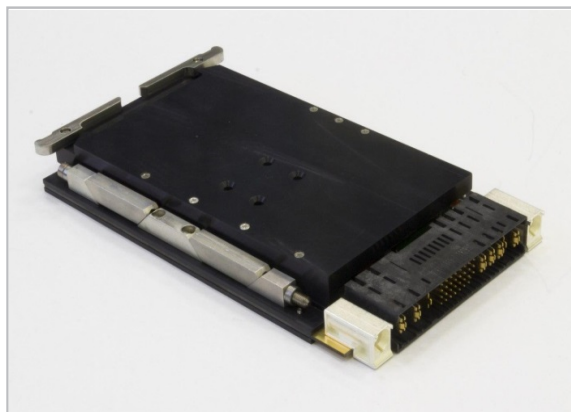


PSU1500

OpenVPX ANSI/VITA 46 3U Power Supply Module



Features

- Max. total power for the Power Supply Module is up to 350W;
- Compliant with the ANSI/VITA62 standard;
- Operating temperature range: from -40°C to +85°C;
- Humidity: from 0% to 80%, non-condensing;
- Measurement of the current level at the outputs of secondary power sources
- Primary power supply—AC power supply w/ the voltage of 220V ±20% and a frequency of 50Hz (as option 110V±10% 60Hz);
- Eff. factor across the entire op. temp. range: no less than 85%;
- Measuring the temperature of the power supply active elements;
- Dimensions: 201.6 x 130.7 x 25.4 mm (for the version - 01) and 178.3 x 100 x 21 mm (for the version - 02);

Overview

PSU1500 Power Supply Module is designed for supplying power to the systems based on the OpenVXP 3U ANSI/VITA 46 standard.

Technical Specifications

Power supplies – AC power supply with the voltage of 220V±20% and a frequency of 50Hz (as option 110V±10% 60Hz);

Output voltage

- +12V (maximum power 350W)*;
 - +5V (maximum power 110W)*;
 - +3.3V (maximum power 75W)*;
 - +3.3V AUX (maximum power 7W)*;
 - +12V AUX (maximum power 60W)*;
 - -12V (maximum power 15W)*;
- * Maximum total power for all the voltages is up to 350W;

Efficiency factor across the entire range of operating temperatures is no less than 85%

Compliant with the ANSI/VITA62 standard

Service functions

- Controlling the presence and measurement of parameters of generated voltages at the outputs of the power supplies;
 - Measurement of the current level at the outputs of power supplies;
 - Measuring the temperature of the power supply active elements;
 - Measurement of primary power supply parameters (voltage, frequency);
 - Configuring the sequence of activation and deactivation of power supplies;
 - Digital adjustment of output voltages (option);
 - If the operating parameters do not match the set values, the "Malfunction" signal is generated with an error code indication;
- * The power supply operating parameters are configured using a personal computer via the USB interface;

Operating temperature range

- from -40°C to +85°C;

Humidity

- from 0% to 80%, non-condensing;

Dimensions

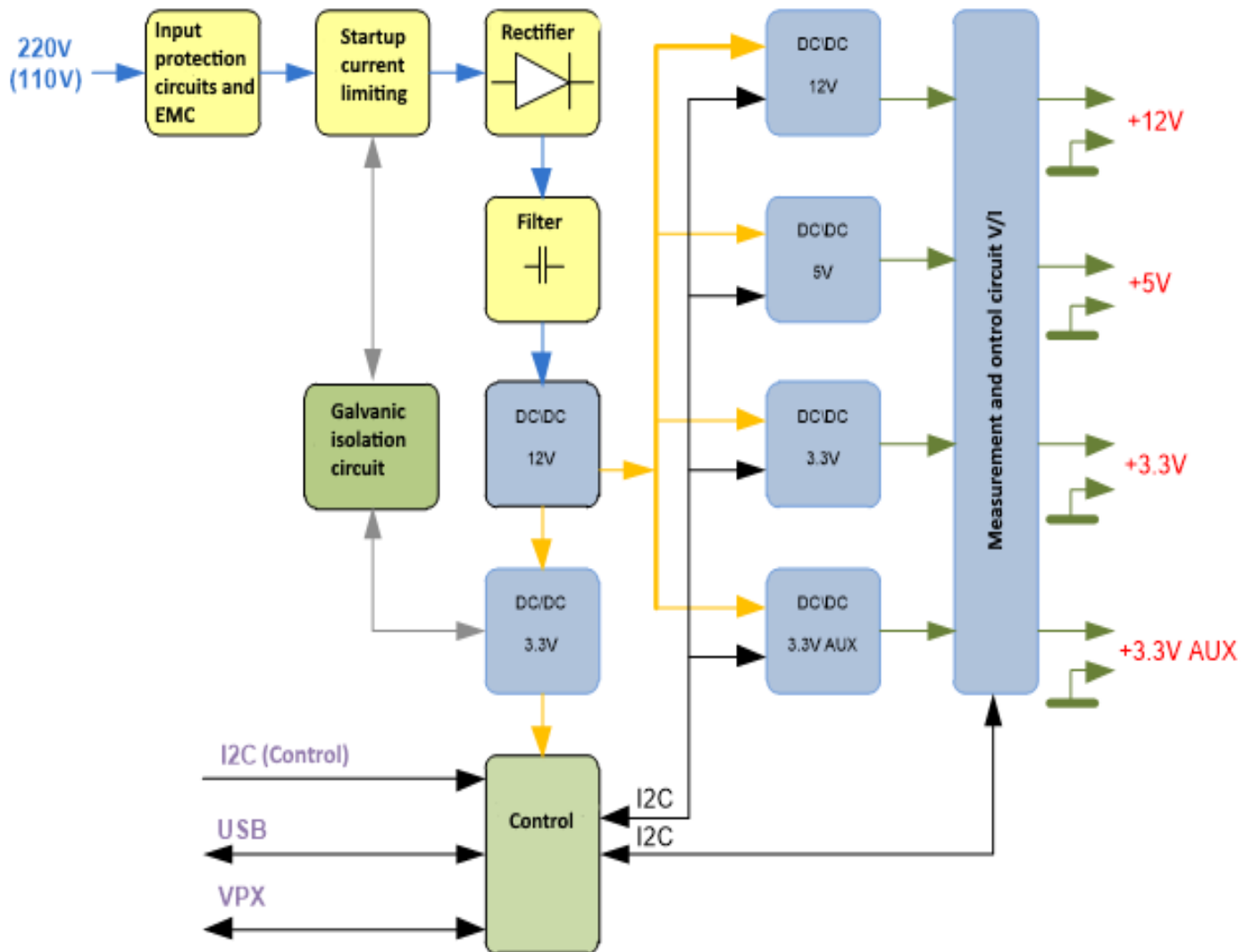
- 201.6 x 130.7 x 25.4 mm (for the version - 01);
- 178.3 x 100 x 21 mm (for the version - 02);



PSU1500

OpenVPX ANSI/VITA 46 3U Power Supply Module

Board Layout



Fastwel



Fastwel



Fastwel

PSU1500

OpenVPX ANSI/VITA 46 3U Power Supply Module

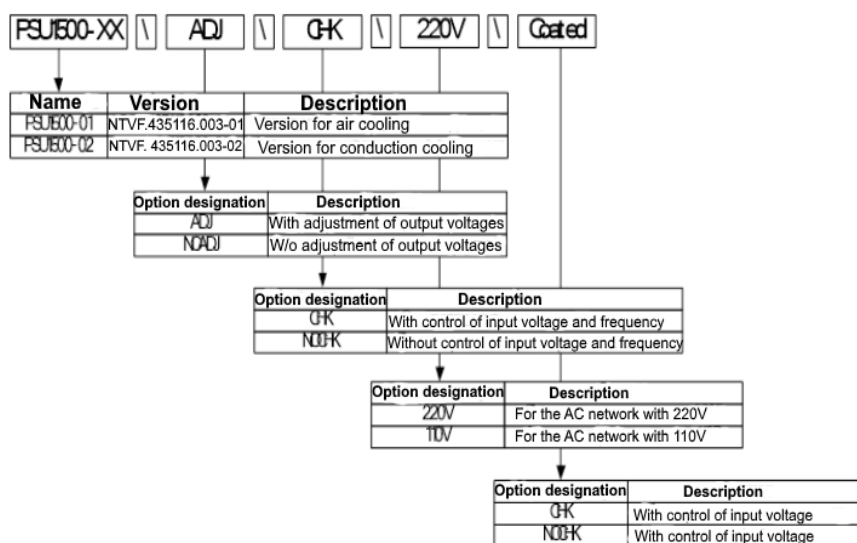
Ordering information

PSU1500 Configuration

PSU1500 \Options

Configurations

PSU1500 is supplied in various versions. The following options can be defined: module's cooling method, availability / lack of conformal coating



Delivery checklist

PSU1500 delivery checklist contains:

1. PSU 1500 Power Supply Module
2. Label
3. Packaging.

Corporate offices

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Product specifications are subject to change without notice



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