



# POWERSTAX A2000 Series

19" Rack mount single - multi output AC-DC 2,000W

## Preliminary Product Specification

### FEATURES

- ❑ From 1 to 12 isolated outputs with full user configurability
- ❑ 1.45V to 28V standard output voltages
- ❑ Bias Supply Voltage 5V @ 50mA
- ❑ Class B Conducted Emissions
- ❑ Up to 2000W of output power
- ❑ Series and Parallel capability
- ❑ Zero load operation
- ❑ Designed for EN61000-3-2 compliance
- ❑ Universal input
- ❑ Fully floating outputs
- ❑ Individual control signals
- ❑ 19" Rack mount
- ❑ 2U high
- ❑ 350mm deep

The Powerstax A2000 series provides single and multiple output solutions for the communications, industrial, instrumentation and test & measurement market in a convenient and compact 2U high 19" rack mount package 350mm deep.

With over 46,000 possible output configurations and up to 12 isolated and adjustable outputs, the A2000 series is a flexible, cost effective solution to your exact power architecture requirements.

Providing up to 2000 watts regulated single or multi-output dc supplies from a mains supply of nominal 115Vac or 230Vac It is possible to individually margin, enable, parallel or stack the outputs to provide literally millions of power solutions.

The design and topology allows rapid mainstream production turnaround of configured units, CE marked, in a matter of weeks.

**2 Year Warranty**





**Example Specification**

**Input characteristics**

Supply voltage: Universal input  
88 to 264Vac single phase  
Supply frequency: 47 to 63Hz  
Supply current: up to 12Arms at full load depending.  
Fuse/mcb rating: 250Vrms nominal  
Current rating: as per application

**Output characteristic**

Output voltage: As per application  
Output current: As per application

No features are brought out to the rear panel.

Cables and terminations  
Supply cable and termination:

The equipment is supplied with a mains cord provided with a connector of suitable rating.

Output termination is by means of barrier strip terminals fitted on the rear panel. Connection is as per application.

**Safety**

The test set is CE marked for compliance with the Low Voltage Directive 73/23/EEC. The test set complies with the harmonised standard EN60950.

**Insulation category:**

Primary to secondary reinforced  
Primary to ground basic  
Secondary to ground functional

The equipment undergoes the following tests in manufacture:

Earth continuity: 25A ac from safety earth terminal to all exposed metal chassis parts. Resistance less than 0.1 ohm  
Voltage proof:  
Input to ground 2200V  
Input to output/ground 2200Vdc  
Output to all other parts 500Vac

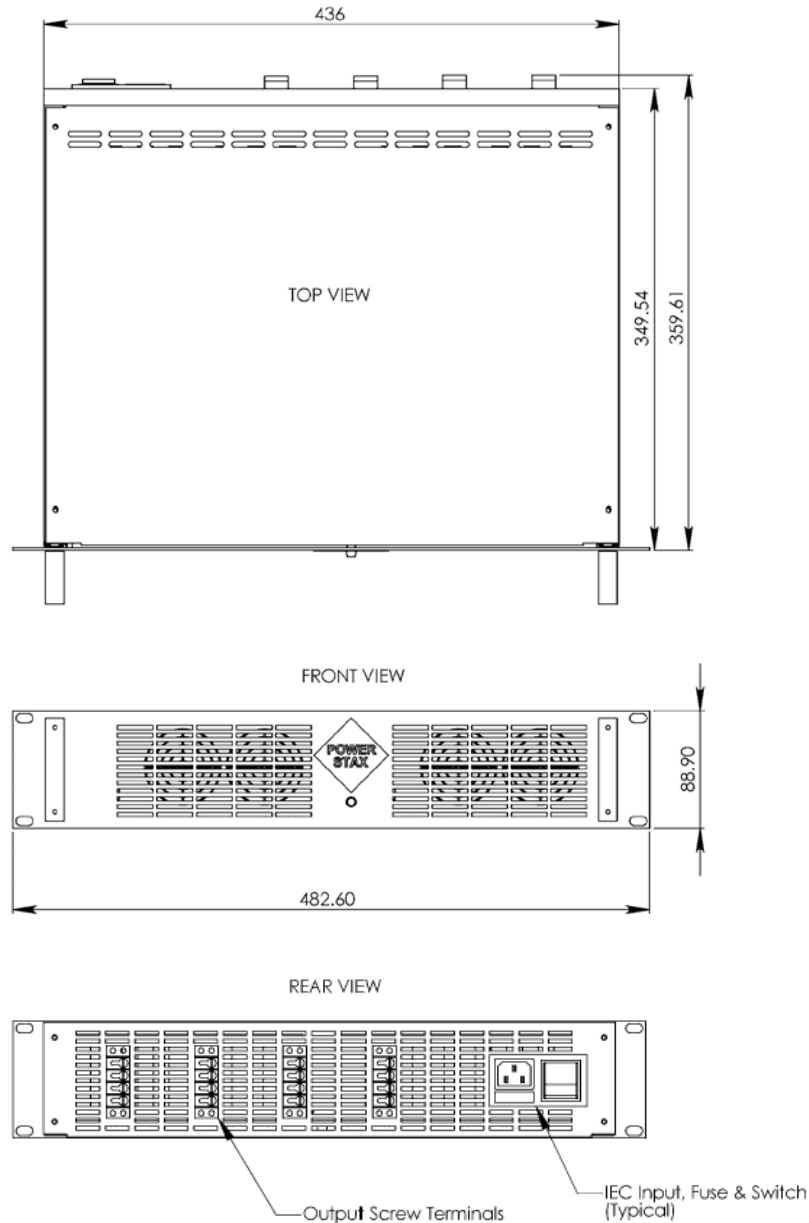
**Environmental**

Operating ambient: 0 to +40degC  
Humidity: up to 95%RH maximum  
Pollution degree: 2  
Ambient pressure: 0 to 500m  
Overvoltage category: II  
Material group: IIIa

**EMC**

The equipment complies with the harmonised generic standards EN6100-6-2: 2001 and EN61000-6-4: 2001.

**Mechanical Outline**



*Above drawing shows example of typical specification - other configurations upon request*



*Exceeding absolute maximum ratings may cause permanent damage and may reduce reliability. Information and specifications contained in this data sheet are believed to be correct at the time of publication. However, Powerstax accept no responsibility for consequences arising from printing errors or inaccuracies. Specifications are subject to change without notice.*

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