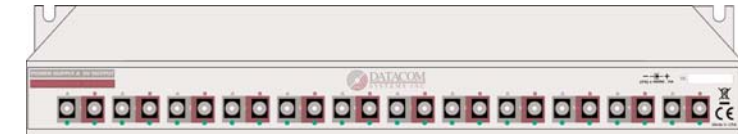
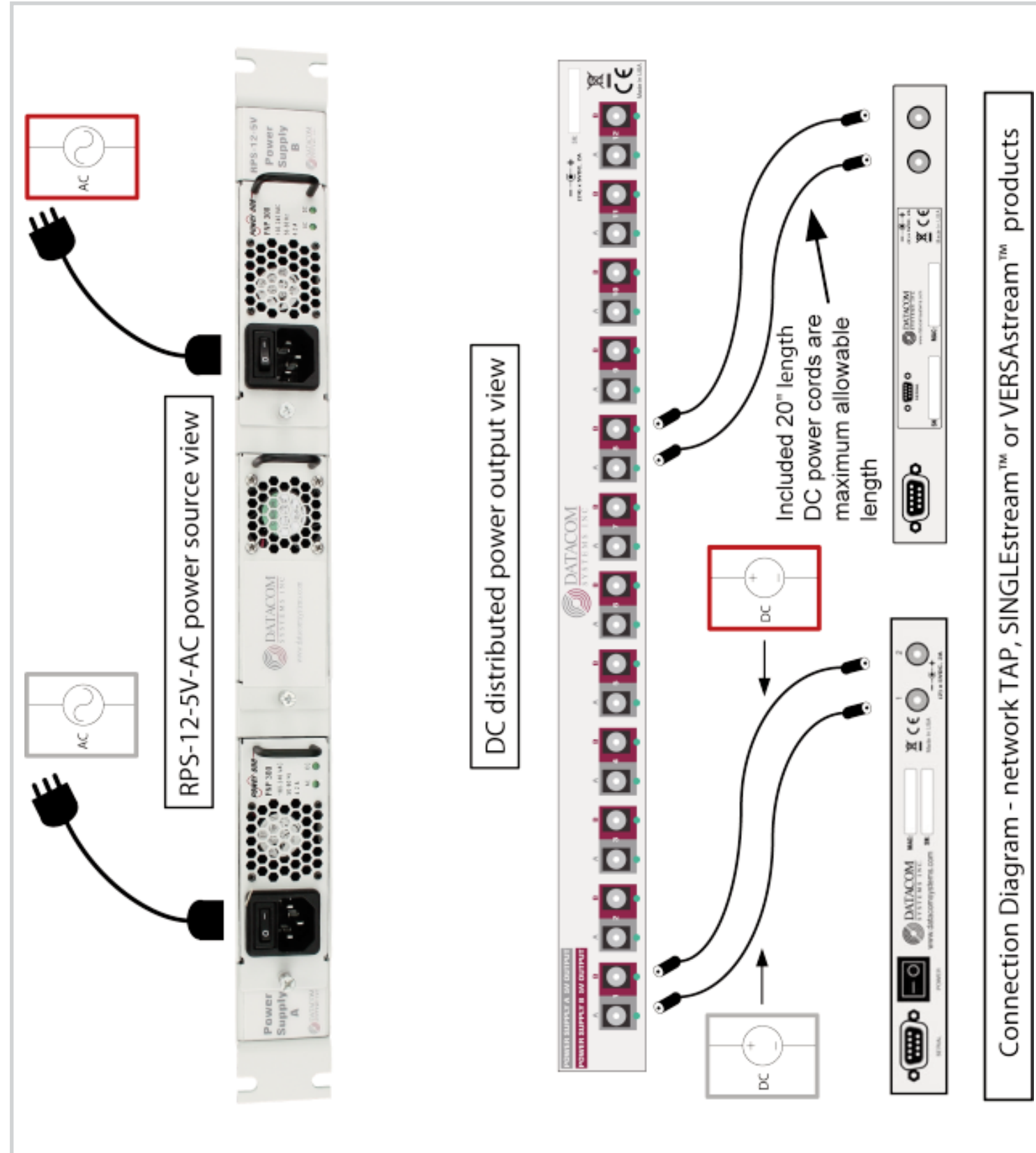


DATACOMsystems®  
RPS-12-5V Redundant Power Supply  
QUICKinstall



May 2010

Part Number: 541-0115-Q-A.01

**Warranty**

Datacom Systems, Inc. (DSI) warrants that the hardware which it supplies will be free from significant defects in materials and workmanship for a period of two years from the date of delivery (Warranty Period), under normal use and conditions. In the event of any such defect, you can return an item of defective hardware, freight prepaid, to DSI during the Warranty Period, and DSI will repair or replace the defective equipment and return it to you, freight prepaid. If DSI determines that the equipment is not defective, it will return it to you, freight collect. DSI shall have no responsibility for any deficiency resulting from accidents, misuse, modifications, power disturbances (including use of a power supply not specified by DSI), or various other forms of disaster, e.g., earthquakes, floods, etc.

**PLEASE DO NOT ATTEMPT TO RETURN ANY ITEM PRIOR TO RECEIVING A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER FROM DATACOM CUSTOMER SERVICE AT (315) 463-9541**

**Limitation On Liability**

The warranties set forth above are exclusive and in lieu of all other warranties. Datacom Systems, Inc. (DSI) makes no other warranties, expressed or implied, and DSI expressly disclaims all other warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose. Moreover, the provisions set forth above state DSI's entire responsibility and your sole and exclusive remedy with respect to any breach of warranty or contract.

No liability for consequential damages. Under no circumstances and under no theory of Liability shall DSI be liable for costs of procurement of substitute products or services, lost profits, lost savings, loss of information or data, or any other special, indirect, consequential or incidental damages, arising in any way out of the sale of, use of, or inability to use, any DSI product or service, even if DSI has been advised of the possibility of such damages.

**CE** The CE logo indicates that this equipment has been tested and found to meet radiated and conducted emission to the European Community EMC Directive 89/336/EEC requirements as per EN 61000-6-3:2001, the generic emissions standard for residential, commercial and light industrial devices, the limits are those for an EN 55022 Class A product.

This equipment also has been tested and found to meet the immunity levels for residential, commercial and light industrial devices according to EN 61000-6-1:2001, the interference severity levels to the standards and requirements of EN 61000-3-2 Harmonic Current, EN 61000-3-3 Voltage Fluctuations and Flicker, EN 61000-4-2 Electrostatic Discharge, EN 610004-3 Radiated Susceptibility, EN 61000-4-4 Electrical Fast Transient/Burst, EN 61000-4-5 Surge and EN 61000-4-6 Conducted Susceptibility.

This equipment has completed the Product Safety Review and found to meet the Low Voltage Directive 98/68/EEC requirements to the standards of EN 60950 Safety of Information Technology Equipment.

**RoHS COMPLIANT** The RoHS compliant logo indicates that this electronic product does not exceed the limit requirements of toxic, hazardous substances or elements as set forth in Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

**♻️** The crossed out wheelie bin logo signifies that the product can be recycled after being discarded, and should not be casually discarded as set forth in Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment (WEEE).

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## Customer Service

We welcome any comments or suggestions regarding this QUICKinstall. Please send your remarks and recommendations via mail, telephone, facsimile, or Internet E-mail.

Datacom Customer Service personnel are available from 8 AM to 5:30 PM Eastern time, weekdays. Customer Service is available via telephone, facsimile, and Internet E-mail. Outside of support hours, please leave a voice message and our Customer Service Staff will return your call as soon as possible.

**Mail:** Datacom Systems, Inc.  
Customer Service  
9 Adler Drive  
East Syracuse, NY 13057-1290

**Tel:** (315) 463-9541

**FAX:** (315) 463-9557

**E-mail:** support@datacomsystems.com

## World Wide Web

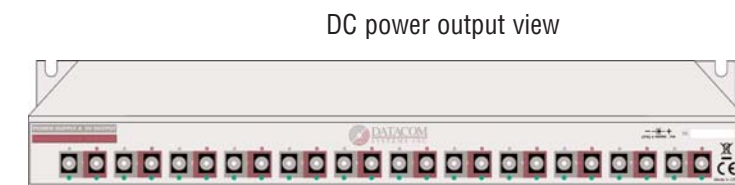
You can obtain additional information about Datacom Systems, Inc. products and services at <http://www.datacomsystems.com> or [support@datacomsystems.com](mailto:support@datacomsystems.com)

# DATACOMsystems® RPS-12-5V QUICKinstall

## 1 What's in the Package

**2 — AC power cords (RPS-12-5V-AC only)**

**24 — DC power cords**



## 2 Introduction

You now have the ability to clean up your equipment rack by organizing your power connections with the Datacom Systems Multi-Unit Redundant Power Supply.

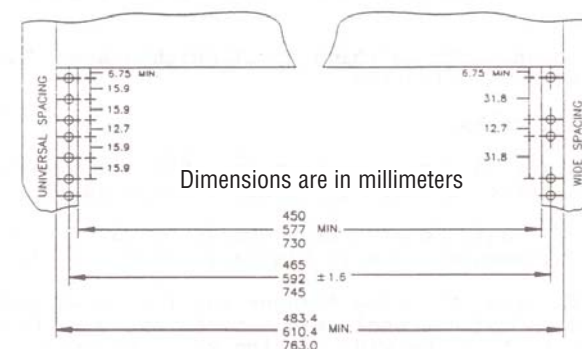
This power supply contains two redundant hot-swappable power supplies with twenty-four output power connections that provide dual redundant power for up to twelve Datacom Systems network taps, SINGLEstream™ link aggregation taps or VERSAstream™ aggregators.

## 3 RPS-12-5V Specifications

Feature	Specification
Input Power — RPS-12-5V-AC only	100-240VAC; 50-60Hz; 4.0-2.0A
Input Power — RPS-12-5V-DC only	40.5-72.0VDC; 10.0-5.0A
Dimensions	1.725" (H) x 19.000" (W) x 13.000" (D) (includes rack mount bracket) 44 mm (H) x 483 mm (W) x 330 mm (D)
Weight	10.00 pounds; Shipping - 18.00 pounds 4.54 kg; Shipping - 8.16 kg
BTU/hour	1636.8
Operating Temperature	32° to 104° F 0° to 40° C
Storage Temperature	-22° to 149° F -30° to 65° C

## 4 Installing an RPS-12-5V in an Equipment Rack

When installing an RPS-12-5V in a standard 19-inch rack, do you have universal or wide spacing flanges? The RPS-12-5V occupies 1 unit of space when fastened in the wide spacing holes of a universal or wide-spacing flange. If incorrectly fastened in the middle holes of a universal flange, the unit occupies an additional part of 1 adjoining unit space.



ANSI/EIA-310-D-1992 Mounting Flange Dimensional Requirements

Adapt the following steps to your installation needs:

1. Decide where to place the RPS-12-5V in the equipment rack.
2. Align the RPS-12-5V bracket holes and the equipment rack holes.
3. Insert screws through the RPS-12-5V bracket holes into the rack.
4. Tighten the screws until the RPS-12-5V is secure in the rack.

## 5 Connecting an RPS-12-5V-AC

This section specifically describes connecting an RPS-12-5V-AC but the RPS-12-5V-DC connection is similar, please use the steps to fit your particular installation needs.

Two hot-swappable AC power supplies provide dual redundant power, for short periods, one power supply can power the entire load. Use of a second independent power source is strongly recommended to assure uninterrupted DC distributed power. Connecting the second AC power socket to a different source circuit than the first AC input eliminates power as a single point of failure.

The hot-swappable AC power supplies AC and DC LEDs illuminate **green** when power is available. The LEDs below the 24 distributed power sockets illuminate **green** when power is available. Any LED not illuminated or illuminated **red** indicates a defective power source and immediate investigation as to the cause is required to insure redundant power integrity.

**WARNING: The included 20" length DC power cords are the maximum allowable length for the DC power cords.**

Using the connection diagram on the other side of this QUICKinstall sheet as a guide, connect a Datacom Systems network tap, SINGLEstream™ link aggregation tap or VERSAstream™ aggregator to a set of dual redundant power sockets using the provided DC power cords. Continue this process until all your Datacom Systems network taps, SINGLEstream™ link aggregation taps and VERSAstream™ aggregators are connected.