

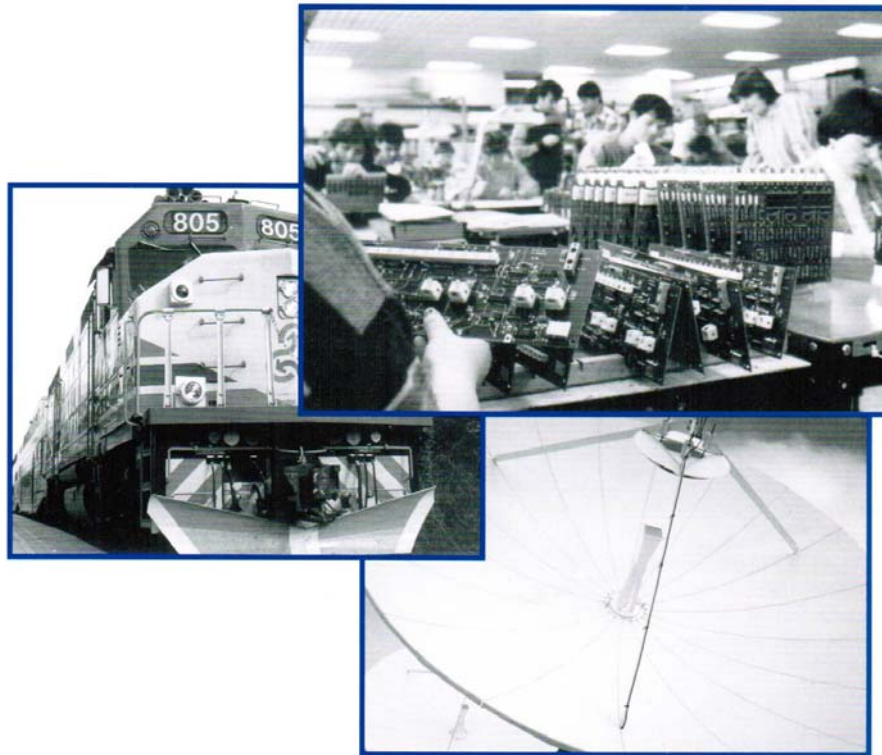


**Intronics Power Inc.®**

**Lucent Technologies**  
Bell Labs Innovations



## *Custom DC/DC Power Supplies*



Intronics, Incorporated and Lucent Technologies -  
*A partnership in the rapid development of custom  
DC/DC power supplies.*

"Custom DC/DC Power Supplies On-Line"  
[www.intronicspower.com](http://www.intronicspower.com)

**1400 PROVIDENCE HIGHWAY • BUILDING 2 NORWOOD, MASSACHUSETTS 02062-5015**  
**PHONE: 781-551-5500 FAX: 781-551-5555**

# DC/DC Converters Tailored To Your Specifications

## POWER CORE

50-500 Watts  
Zero Current Switching  
AC/DC Input  
Power Factor Correction  
Up to 88% Efficiency  
Single Output  
Multiple Outputs  
Over Current Limit  
Short Circuit Protection  
Wide Input Voltage Ranges  
Fixed Frequency Operation  
EMI/RFI Filters

## HOLD UP CIRCUITRY

Withstand momentary input power loss  
Allows orderly shutdown  
up to 50mS holdup

## FLEXIBLE FORM FACTOR

Rack Mount  
PCB Card Cage Mount  
Standalone Module

## FAULT MONITORING

Input/Output Protection  
Alarm Outputs  
Over/Under Voltage Shutdown  
Input Battery Voltage Monitor

## THERMAL

Convection Cool  
Forced Air Cool  
Base Plate

## SYSTEM INTERFACE

Status Line  
Power Good/Fail  
LED Indicators  
Reverse Polarity Input Protection  
Fuse or Circuit Breaker Input Protection  
Remote On/Off  
External Sync

## HOT SWAP

Inrush Current Limit  
Delayed Turn-on  
No System Shutdown

## LOAD SHARE

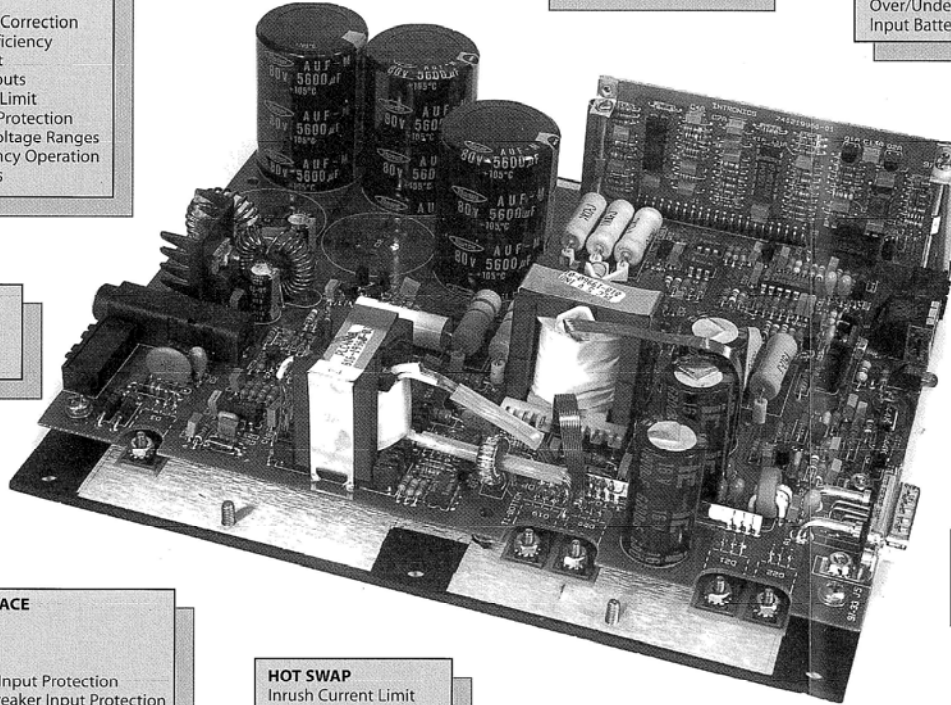
Forced Load Sharing  
Reduced Stress  
High MTBFs

## REDUNDANCY

Fault Tolerance  
100% Back-up  
N+1 Redundancy

## REMOTE SENSE

Accurate Load Voltage



**Intronics, Incorporated and Lucent Technologies Power Systems Group** are engaged in a partnership to provide customers with a new way to rapidly develop custom DC/DC power supplies for new designs. Intronics, Inc. is a Value Added Reseller (VAR) of Lucent Technologies' power modules. The Lucent Power Systems Group manufactures a feature packed product line characterized by state of the art power converter technology. Using Lucent Technologies' designed modules, Intronics is able to provide quick, cost effective solutions for custom and semi-custom board level power products.

Using a team approach to meeting customer needs, which involves representatives of Lucent Technologies Power Systems Group and Intronics sales, applications, and design engineering, we are able to provide a level of service and system performance not typically associated with custom power supplies. As a Lucent VAR, Intronics is prepared to help you manage your project's power requirements from early system definition through volume delivery, working with your engineering, operations, and quality organizations. The modular flexibility of Lucent Technologies' power components also allows quick response to changing power requirements as your product design evolves.

Intronics' custom converter boards feature such innovations as fault monitoring and protection, active current sharing, hot swap capability and custom interface circuitry. Our custom power supplies are manufactured and tested with the dependability of automated manufacturing and test equipment and the reliability of 100% burn-in. These are just a few of the aspects of our total design effort that our customers come to expect from Intronics and are backed by our long standing reputation for quality service and customer support.

At Intronics, Inc., we custom design DC/DC converters from 50 to 500 watts to meet the most demanding applications. We offer the services of our design team who will work with you to develop a unit that meets your exact specifications and will follow it through from prototype to final production units. We can cut the time and expense of developing full custom power solutions by using standard Lucent high-density DC-DC converters and other modular components to rapidly satisfy your input and output power requirements. We can then concentrate on the mechanical, thermal, electrical, and

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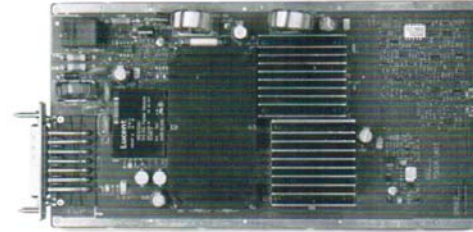
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*"We are out to change the way you specify and design custom power supplies."*

interface design elements required to integrate the component-based design into a total customer solution. The use of component power simplifies and speeds the design and manufacturing process.

Intronics can design your custom power supply to comply with worldwide safety, performance, and quality standards for power supply products. You save time and expense when specifying system compliance with these standards. Each new power system design offers the predictable, reliable performance of field-proven technology assured by Lucent Technologies' power modules at the core of the system.



For over 30 years, Intronics has long been a recognized leader in custom power supply design and is proud to be a Lucent Technologies VAR. Our modern facility in Canton, Massachusetts employs over 60 people dedicated to providing solutions to your custom power supply needs. We believe that customer service is not limited to the performance of our products. It is much more! Intronics provides flexible delivery service, applications engineering to ensure proper solutions, accessible engineering capabilities, ongoing technical support and an experienced design team. It is this commitment that ensures that our customers are receiving the best service available. The next time your system requires custom DC/DC converters, demand no less than the state of the art technology from Intronics and Lucent Technologies.



Give us a call with your custom requirements and we will help you get your system to market quickly. To initiate a custom power project, contact your Intronics or Lucent Sales Representative.

All Intronics and Lucent power supply products are designed with personal and equipment safety in mind. Safety agency approvals (i.e. UL, CSA, TUV, CE, etc.) are available upon customer request for an additional cost.

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