

# Wall Industries, Inc.

## AC/DC and DC/DC Power Products

### About Wall Industries

Wall Industries, Inc., headquartered in Exeter, NH, designs, manufactures, and markets a full line of AC/DC and DC/DC power conversion products with an emphasis on modified standard and customized power solutions. With thousands of standard products and a multi-market experience base, Wall specializes in responding to customer needs by providing accessible technical support, design assistance and rapid, quantity-independent turn around product delivery times. Wall Industries has design and manufacturing facilities in North America and Asia Pacific. Wall Industries is a subsidiary of Continental Resources, a \$350M company and certified Woman-Owned Enterprise that manufactures, leases, and resells computers, instrumentation, and test equipment.

### General

- Incorporated 1960. Financially successful having weathered all economic obstacles for over 40 years
- ISO registered with UL, file #A5490
- RoHS policy in place
- Disaster recovery plan in place

### Research and Design

- Utilizing Relx reliability software, P-Spice simulation software, PADS, AUTOCAD, SolidWorks, and Pro E for CAD/CAM
- Environmental chambers for extensive temperature and life testing
- HALT/HASS testing capabilities
- In-house EMI and EMC testing capabilities
- In-house Design Engineering team from a variety of backgrounds provides analog, digital, and mechanical, packaging expertise

### Manufacturing

- Four state-of-the-art MYDATA SMT component placement machines, and Conceptronics convection re-flow oven
- MPM, Aqueous technology, Quadronics no-clean wave solder operation
- Magnetic coil winding department in-house
- MRP/ERP manufacturing software
- ESD protection throughout plant, including humidity control
- Mirtec Automated Optical Inspection System (A101)
- Statistical Process Control (SPC) data available.

### Quality Assurance

- In-process inspection – including Automated Optical Inspection on 100% surface mount converters
- Quality system based on ANSI/ISO/ASQC Q9001-2000
- Certifications and standards include ISO, IPC, HALT, SPC, UL, EN
- Thorough contract and specification review prior to release to engineering
- Employees certified and trained to ANSI/IPC-610-C workmanship standards
- 100% final electrical and hi-pot testing
- Safety agency testing performed at our factory to expedite approvals.
- Testing performed with Automated Test Equipment
- Extensive burn-in capability, standard or customer specific

### Awards

- “Supplier of the Year” awards from world class customers
- Named one of the World Trade Magazine top “100 Fast-Growing High Tech Manufacturers”

### Sales and Marketing

- Manufacturer’s representative network throughout North America
- Agents worldwide
- Distributors throughout US
- Application engineers available for customers support



**WALL**<sup>®</sup>  
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## AC/DC and DC/DC Power Products

### DC/DC Converters

DC/DC Converters from 1/2 watt to 4,000 watts are available

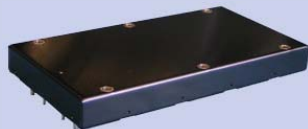
We offer the following types:

- Encapsulated
- PC Board Mount
- Surface Mount
- Chassis Mount
- Through Hole
- Open Frame



### DC/DC Converter Options

- UL, cUL, TUV, CE, and CB
- 2:1 Wide Input Voltage Range
- 4:1 Ultra Wide Input Voltage Range
- Single or Multiple Output Types
- Remote ON/OFF (negative or positive logic)
- Remote Sense
- Output Trim Options
- High Efficiency up to 92%
- Six-Sided Shielding
- Fixed Switching Frequency
- Short Circuit Protection
- Industrial Operating Temperature Range of -40°C to +85°C
- Thermal Shutdown



### AC/DC Power Supplies

AC/DC Power Supplies are available from 1 watt to 2,400 watts

Offered in the following types:

- Open Frame
- Air Ventilated Enclosed
- U-Frame
- Encapsulated
- DIN Rail
- Enclosed with Fan
- Wall Plug-in
- Desktop



### AC/DC Power Supply Options

- UL, cUL, TUV, VDE, CE, and CB
- Safety approval for medical EN60601
- PFC (power factor correction)
- Universal Input
- Current Sharing
- Parallel Operation
- Remote Sense
- Remote ON/OFF
- Programmable Output Voltages
- Power Fail Detection
- Single and Multiple Outputs
- Power Good LED



### Modified Standards also Available!

Our hallmark is our ability to modify standard power devices and deliver high-performing custom power solutions in the quantities you require. With complete design and engineering services, short turn-around times and a genuine eagerness to help you, shouldn't you get to know Wall better? Let Wall power your next design challenge beyond the standard!

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