



POWER SUPPLIES

Astrodyne
Now you have power.



POWER SUPPLIES

Engineered product solutions for demanding applications

Astrodyne specializes in the design and production of power conversion for demanding applications. Partnering with our customers, Astrodyne provides rugged and reliable products with performance features including high efficiency, low leakage current and superior thermal management to serve the Industrial, Mil/Aero and Medical markets. The broad range of standard product offerings include high density bricks with planar magnetics and insulated metal substrates, external power supplies with a variety of connector options and embedded converters for printed circuit board mount or system integration. The breadth of product offering and depth of technical resources provide the ideal solution to conversion challenges including extreme ambient temperatures, harsh environments, complex regulatory landscapes and size constrained applications. Featuring the latest in applicable safety standards, Astrodyne stands ready to meet your requirements with a standard or custom solution.

Military

- High reliability ruggedized AC/DC and DC/DC COTS brick power supply modules from 50-1000W incorporating Insulated Metal Substrate construction
- Military and Commercial Avionics Transient, EMC and shock & vibration standards conformance
- Operating temperature range options of -55°C to 100°C with no derating
- Exceptional demonstrated MTBF
- Numerous options to conform to the most challenging performance requirements

Industrial

- Power levels ranging from <1 to >2000W
- Output voltages from 3.3 to 54V
- AC and DC input versions
- Wide temperature options for operating ranges from -55° to 100°C
- Packages to meet industry standards for shock & vibration

Medical

- Power levels ranging from 1 to 600W
- Output voltages from 3.3 to 54V
- Class I and Class II AC input products for hospital and home use
- DC input models for vehicle powered medical device applications
- IEC 60601-1 3rd Edition Certifications – MOPP and MOOP
- Low leakage current models – BF and CF
- IPX1 and IPX2 rated enclosures for home use medical products
- Dual ISO UL registered 9001:2008 and 13485:2003 facilities



Astrodyne Mansfield, MA
• Corporate Headquarters
• NA Power Supply Sales
• Safety Engineering
• Product Quality
• Manufacturing
• Distribution



Astrodyne Fremont, CA
• Electrical & Mechanical Design
• PCB Layout, 3D Modeling
• Component Engineering
• Prototype Assembly & Testing
• Manufacturing Support for RO Brand Products



Astrodyne Taipei, TW
• Electrical & Mechanical Design
• PCB Layout, 3D Modeling
• Component Engineering
• Prototype Assembly & Testing



Astrodyne Elizabeth, NJ
• Inside Sales for Jerome Brand
• Electrical & Mechanical Design
• PCB Layout, 3D Modeling
• Component Engineering
• Prototype Assembly & Testing
• Manufacturing for Jerome Brand Products



Astrodyne Shanghai, CN
• Asia/Europe Power Supply Sales
• Manufacturing
• Distribution
• Supply Chain Management



More power to you.



Additional Products & Services from Astrodyne

EMI FILTERS **RP RADIUS POWER** **LCR** **FILTER CONCEPTS INC.**

Astrodyne operates state of the art EMI test facilities for pre-compliance testing of customer's products and systems. Our design and application engineering teams provide expert engineering support to bring customer's equipment into compliance and to market quickly and proficiently.

- Single Phase EMI Filters
- Three Phase EMI Filters
- IEC Inlet Filters
- DC EMI Filters
- Inverter EMI Filters
- Medical Grade EMI Filters
- Commercial & MRI Shielded Room Filters
- Commercial Communication Line Filters
- Appliance and Washing Machine Filters
- Custom Commercial Filters
- Telecom EMI Filters
- Military EMI Filters-Custom and COTS
- Military EMI/HEMP Shielded Room Filters
- Military EMI/HEMP Communication Line Filters
- Suppression Components
- PFC Coils - Three Phase Line Reactors



Integrated to maximize reliability.

- Prototype & Pilot Production Runs
- Certified Soldering
- Shielded EMC Test Enclosures
- Fabrication & Metal Forming
- In-house UL & European Certification
- In-house environmental testing

ELECTRONIC & MOTOR CONTROLS **LCR**

We are able to provide solutions to your challenging needs in appliance, food service, power tool, and other commercial applications by integrating product features and process controls into our standard and custom controls including:

- Temperature
- Lighting
- Pressure/Flow
- Power
- Liquid Level
- Cycle Time

Our expertise in PWM and phase cut motor drives for commercial applications includes a broad range of motor types from sub-fractional to 2hp. Our products enable control in speed, torque, position, efficiency, power quality and enhance product safety.

- Brushless (BLDC)
- Split Phase (PSC)
- Shaded Pole
- Brush/Universal
- AC Induction (Three-phase)
- Stepper



The Power of Astrodyne.

Power-up with our expanded technologies, engineering support and global manufacturing. The addition of the RO Associates, Jerome Industries, LCR Electronics, Radius Power and Filter Concepts brands to the Astrodyne family has expanded our extensive line-up of standard and custom solutions. We've long been known for our experience, personal service and creative thinking...now you'll find even more ways to help you solve your demanding power challenges.



Medical Safety including EN60601-1 3rd edition, class 1 and class 2, type BF and CF compliance MIL STDs 461, 704, 801, 1275 and RTCA DO-160F AC input frequency, harmonics, and emissions compliance



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Astrodyne

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