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POWER SOLUTIONS FOR OPTIMUM LASER PERFORMANCE

*Liquid Cooled Power Technology and customizable
EMI filters for demanding applications worldwide*

ASTRODYNE TDI | 908.850.5088 | WWW.ASTRODYNETDI.COM

WHO WE ARE...

Astrodyne TDI manufactures dependable Power and EMI Filter solutions that enhance, protect, and save lives. As a global leader in demanding power conversion applications, where reliability is critical, we are known for delivering high-performance technology to our partners. With over 60 years in the power industry and over one thousand employees worldwide, we guarantee unmatched U.S. ENGINEERING SUPPORT to a variety of markets.

TAKE CONTROL OF YOUR POWER

Astrodyne TDI's power supplies are designed to provide controlled and consistent power performance to meet the diverse specifications of laser applications. High operating temperature capabilities combined with scalability and programmability in a power supply can help ensure effective and efficient laser performance. Our EMI/EMC compliance knowledge can also provide you with the peace of mind that your solutions will meet regulatory standards.

Our technology specializes in:

- ▶ Harsh environment requirements
- ▶ Liquid and conduction-cooled options
- ▶ 5kW scalable building block can provide power solutions up to 500kW
- ▶ Fully adjustable, wide-range DC output 0-1000V
- ▶ Power distribution solutions
- ▶ Modified standard and multi-output solutions
- ▶ Universal input options single phase and three-phase
- ▶ In-house custom capabilities to optimize cost
- ▶ Compact EMI filters with high insertion loss and configurable leakage current

LASER APPLICATIONS

Life Science Instrumentation · Medical Imaging · Security · Cutting · Marking · Engraving · Drilling · Scribing · Ablation · Packaging · Barcoding · Welding · Semiconductor Manufacturing · High Energy Lasers



Programmable DC Power Supply



Embedded Power Supply



External Adapters



EMI Filter Solutions



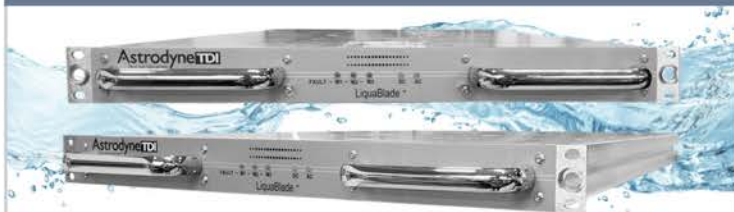
Integrated Power Distribution Solution

30+ YEARS DESIGNING LIQUID COOLED TECHNOLOGIES

PATENTED LIQUID-COOLING TECHNOLOGY

Increased Power Density & Superior Temperature Control

LiquaBlade™



LiquaBlade™ is the perfect solution for applications that require a flexible power supply for high-power systems. These rectifiers combine advanced DC power processing, the latest silicon carbide semiconductors, patented liquid cooling, and sophisticated microprocessor controls, resulting in up to 16.5 kilowatts of power in a single 1U (1.75" height) rack-style package. These rectifiers operate from a wide-range AC input of 380-480V 50/60Hz permitting global usage without the need for an external step-down transformer.

Kodiak™



Providing high-operating efficiency along with excellent reliability, compact size, and easy maintainability, Kodiak provides a scalable, liquid-cooled DC power solution for industrial process applications. A fully adjustable, wide-range DC output is configurable via a digital interface with real-time feedback. With universal input options, this AC-DC liquid-cooled power supply will deliver up to 6kW from a three-phase input with full power factor correction.

AC-DC External Power Supplies

ASM Series

- ✓ 30-550W Embedded
- ✓ 3.3V to 56V Output Options
- ✓ Open Frame, U-Channel and Enclosed



EDP Series

- ✓ 65W and 125W Desktop
- ✓ 12V to 54V Output Options
- ✓ Efficiency Level VI



EWS Series

- ✓ 30W Wall Mount
- ✓ 5V to 48V Output Options
- ✓ Efficiency Level VI



EMI/EMC Filter Solutions

RP130 Series | 3-40A

- ✓ High Performance
- ✓ Single Stage Power Line Filters
- ✓ Current Rating: 3, 6, 10, 20, 30, and 40 Amps Single-Phase Filters
- ✓ QD tab, wire leads, studs, connector and option



RP405 Series | 6-40A

- ✓ Compact Design
- ✓ Single Stage WYE Power Line Filters
- ✓ Current Rating: 6, 10, 20, 30, and 40 Amps
- ✓ Wire leads, studs, and connector option



RP350 Series | 20-100A

- ✓ Compact Design
- ✓ Single Stage Delta Power Line Filters
- ✓ Current Rating: 20, 40, 60, 80 and 100 Amps
- ✓ Wire leads, studs, and connector option



POWER. EVERYTHING DEPENDS ON IT.

For over 60 years, Astrodyne TDI has been providing power solutions to the most demanding applications. Today, our unmatched experience across multiple markets enables us to deliver a wide range of power-based technology solutions for some of the most well-known companies in the world. From off-the-shelf standard power supplies and EMI filters to complete customized power distribution systems, the solution is always Astrodyne TDI.

Thanks to our extensive experience as a power solution provider, our team of engineers is able to deliver rapidly prototyped that meet harsh environmental requirements. As well as liquid and conduction-cooled options and scalable building blocks to deliver a wide range of outputs.

Partner up with the Astrodyne TDI team to bring your design to market, in record time, with international safety and EMC compliance certifications.

Developing Power Technologies & Products that People Depend Upon, to Enhance, Protect, and Save Lives.

Astrodyne**TDI**
Now you have power.

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