

WHO WE ARE...

Astrodyne TDI manufactures dependable Power and EMI Filter solutions that enrich, 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 solutions industry, and 600 employees worldwide, Astrodyne TDI is uniquely positioned to support industrial markets.

EXPERTS IN LIQUID COOLING AND RF BLOCKING

LOW POWER ADAPTERS & EMBEDDED SUPPLIES

- 1W-550W
- Universal Input 90-264 VAC
- Broad Range of Output Voltages
 - ▶ 3.3 - 56 VDC
- Cooling Options
 - ▶ Convection
 - ▶ Forced Air
 - ▶ Conduction
- Wide Operating Temperature Options
 - ▶ Characterization at High Ambient Temperatures
 - ▶ Cold Start-up Capability
- SEMIF47 Compliance
 - ▶ Full rated operation under the most stringent SEMI F47 input voltage sag conditions for 180 - 264 VAC input

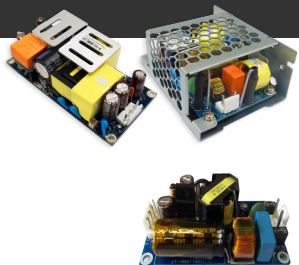
HIGH POWER SOLUTIONS & SUPPLIES

- Scalable Power Solutions up to 1MW
- Programmable DC Output
 - ▶ 0-1350VDC
 - ▶ Digital or Analog Controls
 - ▶ CC, CI, CP Mode
- Cooling Options:
 - ▶ Liquid
 - ▶ Forced Air
 - ▶ Conduction
 - ▶ Convection
- Universal Input Options
 - ▶ 90-264VAC Single Phase
 - ▶ 180-253VAC Three Phase
 - ▶ 380-480VAC Three Phase

100% In-Process HASS Testing

EMI FILTER SOLUTIONS

- Broad Insertion loss performance Characteristics
 - ▶ Compact
 - ▶ High Performance
 - ▶ Dual Stage
- Selectable Line- Ground Capacitors
 - ▶ Meet any leakage current specifications
 - ▶ 0 - 2000nF Y-capacitors
- Complete Line of Off -The-Shelf Filters
 - ▶ IEC inlet up to 20A
 - ▶ Single-Phase up to 200A, 300VAC
 - ▶ 3-Phase Delta or WYE up to 2500A, 480/520VAC to 600VAC



RF AND MICROWAVE AMPLIFIER APPLICATIONS

Plasma Generation | Heating | Drying | Sterilization | Radar, and Communications | Deposition | Semiconductor Processing Equipment | Medical Devices | Particle Accelerators



PROGRAMMABLE POWER SOLUTIONS

Our programmable power supplies provide a fully adjustable, wide-range DC output, 0-1350V. An analog or digital interface allows for full control of output voltage, current, and power along with near real-time read back. For higher power applications, these rectifiers can be easily connected into parallel current sharing groups, enabling designs up to 500kW.

LiquaBlade

16.5kW AC-DC Power Module

The only 1U liquid-cooled solution

- ✓ 0-500VDC Output
- ✓ 380-480VAC Input
- ✓ Rackmount



LiquaCore

5.5kW AC-DC Power Module

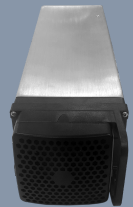
- ✓ Liquid-Cooled
- ✓ 0-60VDC Output
- ✓ 380-480VAC Input
- ✓ Embedded



MercuryFlex

3.8kW AC-DC Power Module

- ✓ 0-450VDC Output
- ✓ 90-264VAC Input
- ✓ Air-Cooled
- ✓ Embedded or Rackmount



HermesFlex

2.2kW AC-DC Power Module

- ✓ 0-500VDC Output
- ✓ 90-264VAC Input
- ✓ Air-Cooled
- ✓ 2MOPP/ BF Rated
- ✓ Embedded or Rackmount



PowerNode

10kW AC-DC Power System

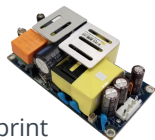
- ✓ 0-450VDC Output
- ✓ 180-253VAC 3ph Input
- ✓ Air-Cooled
- ✓ Touch Screen Display
- ✓ Rackmount



ASM SERIES | 10-550W

AC-DC Open Frame and Enclosed

- ✓ 80-264VAC 1Phase Input
- ✓ Up to 85°C Operation
- ✓ 2"x3", 2"x4", 3"x5", 3.7"x7" Footprint



EMI/ EMC FILTERS

15A-50A, 5-15kW, 3-Phase Delta

- ✓ RP305 Series
- ✓ RP320 Series
- ✓ RP330 Series
- ✓ RP350 Series



POWER DISTRIBUTION UNIT



POWER CONDITIONING

Get filtering, isolation, power line conditioning and safety features all from one source



POWER DISTRIBUTION

Distribute AC or DC reliable power to meet the energy demands of multiple devices



POWER CONVERSION

Consolidate all AC/DC and DC/DC power supply needs into one compact unit

