

RELIABILITY TESTED INDUSTRIAL SOLUTIONS


*Standard and customizable power supply, EMI
filters and transformer solutions*


RELEASED DATE: MARCH 2025

AC-DC EMBEDDED POWER SUPPLIES


ASM30 Series <ul style="list-style-type: none"> ✓ 30W ✓ Open Frame, U-Channel and Enclosed ✓ 1.6x3" Footprints 	ASM65 Series <ul style="list-style-type: none"> ✓ 65W ✓ Open Frame, U-Channel and Enclosed ✓ 2x3" Footprints 	ASM201 Series <ul style="list-style-type: none"> ✓ 200W ✓ Open Frame, U-Channel and Enclosed ✓ 2x4" Footprints 
ASM400 Series <ul style="list-style-type: none"> ✓ 400W ✓ Open Frame, U-Channel and Enclosed ✓ 3x5" Footprints 	ASM550 Series <ul style="list-style-type: none"> ✓ 550W ✓ Open Frame, U-Channel and Enclosed ✓ 3.7x7" Footprints 	NEW ASM1000 Series <ul style="list-style-type: none"> ✓ 1000W ✓ Enclosed ✓ 5x7.5" Footprint 


LIQUID-COOLED POWER SUPPLIES

LiquaBlade™ <ul style="list-style-type: none"> ✓ Programmable Outputs: 0-500V / 2.2kW ✓ AC/DC Enclosed, 1U 19" Rack Compatible ✓ IEC 60950-1, 2nd Edition ✓ SEMI F47-0706 Compliant ✓ High Efficiency: 92% ✓ 100% HASS Tested 
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NEW Kodiak™ <ul style="list-style-type: none"> ✓ Programmable Outputs: 0-60V/6kW ✓ High-Density 32 – 38 W/in³ ✓ IEC 61000-4, Levels 2 and 3 ✓ IEC/EN/UL 62368-1 ✓ High Efficiency: >94% ✓ 100% HASS Tested/Meets NAVSO P-3641A 
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AIR-COOLED POWER SUPPLIES

MercuryFlex™ <ul style="list-style-type: none"> ✓ Modular/Scalable: 28-450V / 15.2kW ✓ AC/DC Enclosed, 2U high, 19" Rack Space ✓ EN61000-4-4 and 5, Level 4 ✓ SEMIF47-0706 Compliant ✓ High Efficiency: 91% ✓ 100% HASS Tested 

HermesFlex™ <ul style="list-style-type: none"> ✓ Programmable Outputs: 0-500V / 2.2kW ✓ AC/DC Enclosed, 1U ✓ Medical IEC 60601 3rd Edition ✓ SEMIF47-0706 Compliant ✓ High Efficiency: >93% ✓ 100% In-Process HASS Tested 

AC-DC EXTERNAL POWER SUPPLIES

EDP65 Series <ul style="list-style-type: none"> ✓ 65W Desktop ✓ 12V to 54V Output Options ✓ Efficiency Level VI 	EDP125 Series <ul style="list-style-type: none"> ✓ 125W Desktop ✓ 12V to 54V Output Options ✓ Efficiency Level VI 	EDP400 Series <ul style="list-style-type: none"> ✓ 400W Desktop ✓ 12V to 54V Output Options ✓ Efficiency Level VI 
EWS30 Series <ul style="list-style-type: none"> ✓ 30W Wall Mount ✓ 5V to 48V Output Options ✓ Efficiency Level VI 		

WHERE QUALITY GOES BEYOND THE STANDARD

TRANSFORMERS

Isolation Transformer

- ✓ 18 VA - 15,000 VA
- ✓ Isolation: 4,000 Volts RMS
- ✓ Sustainable at poor quality and missing cycles voltages



3-Phase Transformer

- ✓ 2,000 VA - 120,000 VA
- ✓ Isolation: 4,000 Volts RMS
- ✓ Robust construction with high over-voltage handling capabilities



Low Inrush Current

- ✓ 1,000 VA - 10,000 VA
- ✓ Isolation: 4,000 Volts RMS
- ✓ Flexible design to match the circuit breaker requirements



Current Transformer

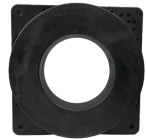
- ✓ 5 Amp - 8,000 Amp
- ✓ Secondary current: 0.1 Amp - 5 Amp
- ✓ Single-phase and 3-phase with power CT and signal CT combined models



NEW

Current Transformer 6.5" & 7.5"

- ✓ 50 Amp - 6,000 Amp, Secondary Current: 5.0 Amp
- ✓ Frequency: 50 Hz - 400 Hz
- ✓ Insulation Level: 0.6kV, BIL 10kV Full Wave
- ✓ Secondary Terminals: 10-32 screw with flat washer, lock washer, and a nut
- ✓ Thermal Current Ratings: 50:5 to 4000:5, 2.0 @ 30°C, 1.5 @ 55°C, 5000:5 to 6000:5, 1.33 @ 30°C, 1.0 @ 55°C



EMI/EMC FILTERS

RP110 Series | 3-20A

- ✓ Compact Design
- ✓ Single Stage Power Line Filters
- ✓ Current Rating: 3, 6, 10, and 20 Amps
- ✓ Single-Phase Filters
- ✓ QD tab, wire leads and stud option



RP120 Series | 10-50A

- ✓ Medium - High Performance
- ✓ Single Stage Power Line Filters
- ✓ Current Rating: 10, 16, 20, 30, 40, and 50 Amps
- ✓ Single-Phase Filters
- ✓ QD tab, wire leads and stud option



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



RP135 Series | 1-200A

- ✓ High Performance
- ✓ Single Stage Power Line Filters
- ✓ Current Rating: 1, 3, 6, 10, 16, 20, 30, 60, 100, 150, and 200 Amps
- ✓ Single-Phase Filters
- ✓ QD tab, wire leads, studs, and connector option



080(M) Series | 1-20A

- ✓ Single Stage Power Entry and Outlet Filters
- ✓ Compact Design
- ✓ Current Rating: 1, 3, 6, 8, 10, 15, and 20 Amps
- ✓ Low leakage option
- ✓ QD tabs and wire lead option



RP300 Series | 25-500A

- ✓ Single Stage Power Line Filters
- ✓ Current Rating: 25, 50, 55, 65, 100, 150, 200, 300, and 500 Amps
- ✓ Wire leads, studs, and connector option



RP359 Series | 150-2500A

- ✓ Multi-Stage Power Line Filters
- ✓ Current Rating: 150, 180, 250, 320, 400, 600, 800, 1000, 1600, and 2500 Amps
- ✓ Wire leads, studs, connector and bus bar option



NEW

RP395 Series | 15-2500A

- ✓ Operates at 1000V
- ✓ Multi-Stage Power Line Filters
- ✓ Current Rating: 150, 180, 250, 320, 400, 600, 800, 1000, 1600 and 2500 Amps
- ✓ Wire leads, studs, connector and bus bar option



RP605 Series | 100-200A

- ✓ High Current
- ✓ Dual Stage Power Line Filters
- ✓ Current Rating: 100, 150, 180, and 200 Amps
- ✓ Wire leads, studs and connector option



RELIABLE & EFFICIENT POWER SOLUTIONS

Astrodyne TDI designs and manufactures power supplies for industrial applications ranging from 5W to 15.2kW. Our team of engineers is dedicated to delivering switch-mode power solutions that feature high efficiency and reliability to support demanding applications. With over 60 years in the industry, Astrodyne TDI can also design modified and custom power supplies to meet the unique demands of almost any application.

Our team of engineers specializes in both embedded and external AC-DC power supplies for equipment that requires...

- ▶ Reliability and long service life
- ▶ High efficiency
- ▶ Low leakage current
- ▶ "Universal" Class I or Class II AC input
- ▶ IEC 62368-1 Safety for ICT equipment

Supporting industrial equipment, including...

Factory Automation Equipment, Variable Frequency Drives, Motor Controls, PWM Circuits Welding Equipment, Cranes-Lifts-Hoists, Industrial Heating, Switch Mode Power Supplies, UPS, Converter/Inverters, Solar Power Generation, EV/Battery Chargers, Ozone Generators Plasma Sources, Laser & Light Sources, Beam Steering, PEM Electrolyzers, Instrumentation, etc.



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

Astrodyne**TDI**
Now you have power.

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