



- Available in Single Phase (110VAC-240VAC 50/60HZ)
- Available in Three Phase (208VAC-480VAC 50/60HZ) (higher voltages upon request)
- Applications available up to 50kW (higher kW upon request)
- 5% Ripple throughout the output range (optional filtering resulting in <5% available)
- Over Current Protection (on models $\geq 500A$ standard)
- Circuit Breakers are standard on most models
- Linear control throughout the output range
- Constant Current and Constant Voltage (only with additional module installed)
- Air or Water Cooled
- Manual or Motorized
- Self-Contained or Remote Controlled (remote on motorized only)
- PLC Interface Available (0-5VDC, 0-10VDC, 4-20mA)
- All of our power supplies are designed for continuous duty at 40° C (high temp packages available)
- Custom and Modular Designs available
- Manufactured and Developed in the USA

Aldonex can offer a full line of Variable Transformer Power Supplies to suit your needs. We have been in the business for over 50 years and have been providing rectifiers to a variety of industries for various applications. Some of these applications are metal finishing, anodizing, electrowinning, chemicals on site and water treatment. We are one of the few manufacturers that will custom build our power supplies to suit your needs. This includes controls, components, cabinets, and modular units. We offer Powder Coated Steel, Stainless Steel, Aluminum, and Poly Pro enclosures.



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RECTIFIER ELEMENTS

Aldonex power supplies utilize oversized diode assemblies. Assemblies are oversized approximately by 45% or more in order to withstand any excessive surge in current. By utilizing a multi-cell semiconductor design that is so closely balanced our semiconductors do not require any fuses or balancers. Thus cuts out costly replacements and downtime.

POWER TRANSFORMER

Our transformer core consists of grain oriented silicon steel laminations. The primary and core are separated by a solid performed silicon impregnated insulation coil form. This minimizes the risk of primary to core short circuits. The transformer secondary is a heavy duty copper winding resulting in the greatest rigidity.

Current in windings is limited to a density of 600 circular mills per ampere. The complete transformer assembly is dipped in the highest quality insulating varnish. This process results in a quite unit which will withstand the harshest shop environment while operating cool under full load.

CONTROLS

Operator Controls including the Start/Stop push buttons, Rocker Switch, DC Volt Meter and DC Amp Meter are furnished on the front of the power supply.

OPTIONS

- Amp Hour/Minute Meter (pump control optional)
- Digital Meters
- Setpoint Meter
- Motorized
- Cut-Off Timer
- Alarm

STANDARD TECHNICAL DATA

AC Input Voltage	1x 110VAC-240VAC 50/60HZ 3X 208VAC-480VAC 50/60HZ (other voltages available upon request)
Output Current	Up to 3000ADC (higher amperage available upon request)
Output Voltage	Up to 400VDC
Control	Linear control throughout the output range (constant current and constant voltage optional)
Ripple	5% Ripple throughout the output range (optional filtering resulting in <5% available)
Duty Factor	100% (can run 24/7 365 days a year)
Operating Temp	40° C (optional high temp/altitude packages available)



Variable Transformer



- *As Shown**
- 100ADC 0-12VDC
 - Poly Cabinet
 - Air Cooled
 - Standard Analog Controls
 - Self-Contained

- PLC Interface (0-5VDC, 0-10VDC, 4-20mA)
- PLC Start/Stop
- Custom Dry Contacts
- Periodic Reversing (Manual or Automatic)
- Filter Choke (reduce AC ripple)
- We welcome custom controls!

