



- Available in Single Phase (110VAC-240VAC 50/60HZ)
- Available in Three Phase (208VAC-480VAC 50/60HZ) (higher voltages upon request)
- Applications available up to 100kW
- IGBT based
- Integrated EMC Filter
- Parallel operation
- $\leq 3\%$ Ripple throughout the output range (most models are $< 1\%$ 1-100% output)
- Constant Current and Constant Voltage
- Control accuracy is better than 1%
- Air or Water Cooled
- Self-Contained or Remote Controlled
- PLC Interface Available (0-5VDC, 0-10VDC, 4-20mA, Modbus, Profibus)
- Pulse Available (.05s to 600s)
- All Control Boards are conformal coated
- Module, Bench, Wall, and Floor Cabinets

Aldonex can offer a full line of Switch Mode power supplies to suit your needs. Based on IGBT technology, our units offer unparalleled efficiency. The ripple remains constant from 1-100% output allowing universal operation within diverse applications. 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. Our Switch Modes come in ABS/Aluminum, E-Coat/Powder Coat, and Stainless Steel enclosures.



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- *As Shown
- 500ADC 0-12VDC
 - ABS/Alum. Enclosure
 - Air Cooled
 - PLC 0-10V Interface
 - PLC Start and Stop
 - Remote Control ("EZ" Controller)

DESCRIPTION

Aldonex Switch Mode power supplies are modular, lightweight and compact. They offer unparalleled efficiency and low ripple. Our Switch Mode power supplies are IGBT based. This results in very high quality DC output with low ripple throughout the entire output range. This allows one rectifier to operate a variety of diverse applications. Unlike SCR you can run 1-100% current or voltage while maintaining efficiency and low ripple.

CONSTRUCTION

With harsh industrial environments in mind we house all of our Switch Modes into a robust industrial cabinet. Careful attention was paid to finishes. We offer ABS/Aluminum, E-Coat/Powder Coat, and Stainless Steel. We can offer Module, Bench, Wall, and Floor enclosures.

Not only did we pay careful attention to the cabinets used but the same attention was applied to our cooling systems. We utilize Automatic Fan Speed Control. This feature will adjust airflow as needed thus reducing wear on the motors all while reducing energy use. Air will only be drawn from the side/front and then forced out the back. All internal components are kept away from outside air. We only expose the heat sinks which keeps the core components safely sealed inside. All control boards are conformal coated for added protection.

CONTROLS

Operator Controls are furnished in a separate enclosure for Remote Operation. Start/Stop push buttons, Constant Voltage, Constant Current controls, DC Volt Meter and DC Amp Meter are typically mounted on a hinged panel.

OPTIONS

- Amp Hour/Minute Meter (pump control optional)
- Digital Meters
- Setpoint Meter
- Automatic Ramp
- Step Ramping
- Cut-Off Timer
- Alarm
- Pulse/Reverse Pulse (.05s to 600s)
- PLC Interface (0-5VDC, 0-10VDC, 4-20mA)
- PLC Start/Stop
- Custom Dry Contacts
- Parallel operation to increase total current
- Interface for Profibus-DP, Interbus-S, and Modbus
- "EZ" Controller (see additional literature)
- Periodic Reversing (Manual or Automatic)
- Integrated EMC Filter

STANDARD TECHNICAL DATA

AC Input Voltage	1x 110VAC-240VAC 50/60HZ 3X 208VAC-480VAC 50/60HZ
Output Current	Up to 7500ADC
Output Voltage	Up to 600VDC
Control	Constant Current/Constant Voltage Control
Ripple	≤3% Ripple throughout the output range (most models are <1% 1-100%)
Duty Factor	100% (can run 24/7 365 days a year)
Operating Temp	35° C

