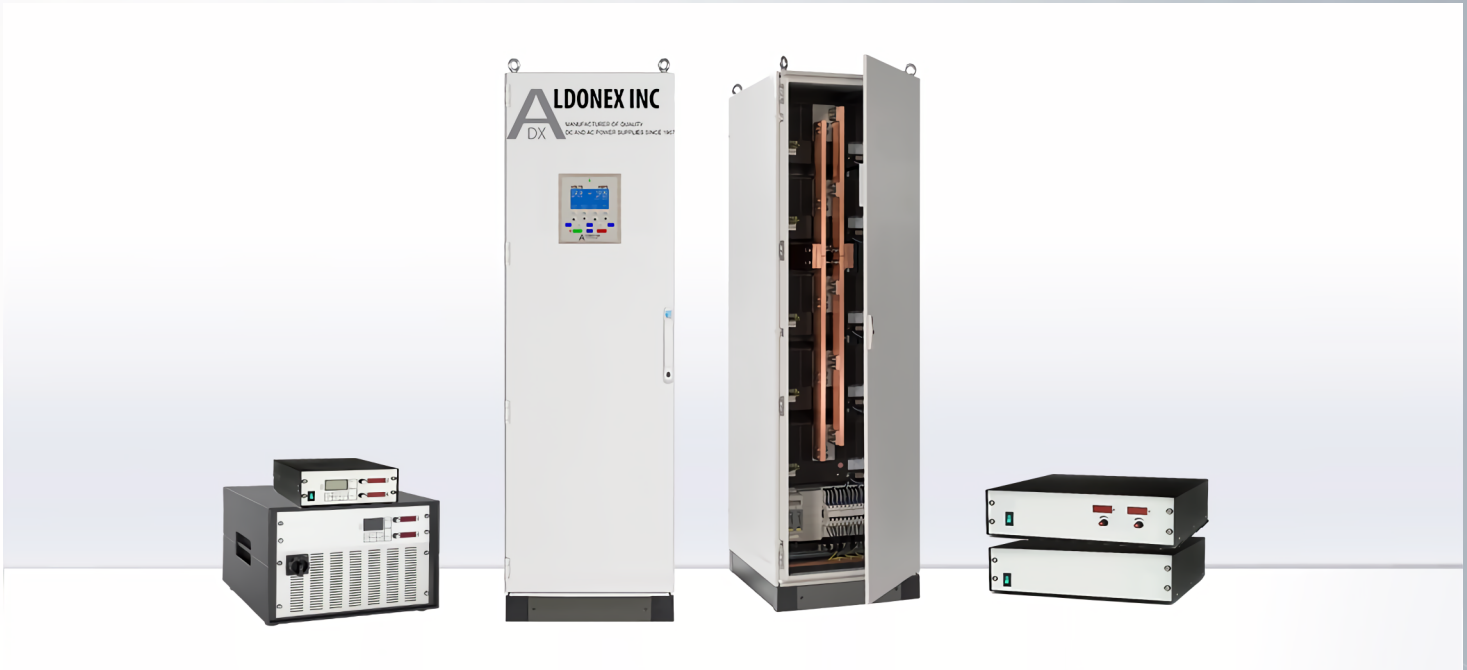


ALDONEX INC

MANUFACTURER OF QUALITY
DC AND AC POWER SUPPLIES SINCE 1967

SWITCH MODE (IGBT)



Aldonex has over 50 years in the DC & AC Power Supply Industry! With this experience we are able to deliver a quality product that is proven and will last! When you want a workhorse that is reliable, small, lightweight, and compact, Switch Mode is the way to go! 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.

- 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



Phone: (708) 547-5663
Fax: (708) 547-5738
Email: sales@aldonex.com

Factory Location:
2917 St. Charles Rd.
Bellwood, IL 60104

Mailing Address:
P.O. Box 148
Bellwood, IL 60104



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DC AND AC POWER SUPPLIES SINCE 1967

SWITCH MODE (IGBT)

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.

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% KW)

Duty Factor

100% (can run 24/7 365 days a year)

Operating Temp

35° C

OPTIONS

- Amp Hour/Minute/Second Meter (pump control optional)
- Digital Meters (IP65 Rating. Accuracy is 1% or better)
- Set-point Meter
- Automatic Ramp
- Step Ramping
- Cut-Off Timer
- Alarm
- Bipolar and Unipolar pulse Pulse (High Freq. Pulse) 0.5s-600s
- Data Logging
- Analog PLC Interface (0-5VDC, 0-10VDC, 4-20mA)

OPTIONS (Continued...)

- PLC Start/Stop
- Custom Dry Contacts
- Parallel operation to increase total current
- PLC Interface for Profibus-DP, Interbus-S, and Modbus
- "EZ" Controller (see additional literature)
- Periodic Reversing (Manual or Automatic)
- Integrated EMC Filter
- Data Logging



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