

ELECTROSURGERY

TYPICAL APPLICATIONS

- Ablation: RF, Microwave, Electrical, Laser/Light
- Electroporation
- Pulsed Energy Field Treatments
- Surgical Robotics
- Dialysis
- Lithotripsy



CHALLENGES

The power supply requirements within the electrosurgery industry must meet stringent electrical and regulatory requirements. They must meet low leakage current, IEC60601 3rd and 4th editions as well as suitability for use in Type BF as well as Type B applications.

In addition, medical equipment such as surgical robotics machines are becoming more complex and end-users require more

functionality in smaller packages, with precise control functionality.

Finding the right power solution provider to meet the demands of this market vertical, both regularly and technically is becoming increasingly difficult.

OUR SOLUTIONS

Advanced Energy has a reputation of providing reliable, flexible, high-performance power solutions for the electrosurgery market. In response to customer demands for smaller solutions for mobile equipment, we have a wide range of compact power supplies designed with best-in-class power density and reliability providing single and multiple outputs for all aspects of the equipment.

BF electrical performance levels of our high and low voltage product offering meets the requirements for end-customers systems, including surgical robotics, dialysis, electroporation, and ablation equipment.

With an extensive feature set, our low voltage product offering provides flexibility by allowing system designers to monitor and control power supply performance via analog or digital communications (PMBus™). Modules can be monitored (input voltage, module output voltage, and current.) enabled, disabled, and trimmed as well as have maximum current values set.

BENEFITS OF USING ADVANCED ENERGY

- High precision output voltages
- Accurate control features
- Suitable for BF applications
- Fanless solutions for acoustic and vibration sensitive applications
- Compact size for portable systems

RECOMMENDED PRODUCTS

Low Voltage

- CoolIX® Series
- LCM
- LCC600
- LPS360-M
- CPS250-M
- CNS650-M

High Voltage

- PXS Series
- C Series
- A Series

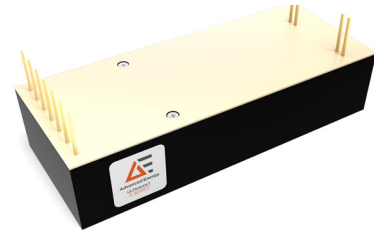
WHAT WE POWER

Low Voltage

- Cooling Elements
- Motors
- Control Electronics
- Touch Panels

High Voltage

- Charging Capacitors
- Pockels Cells



Advanced Energy's A Series



Advanced Energy's CoolIX Series



Advanced Energy's Artesyn LCM Series



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PRECISION | POWER | PERFORMANCE

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