

CoolX powers the future of microwave ablation with precision power

INDUSTRY

Electrosurgery

SOLUTION

Excelsys CoolX® 1800

EQUIPMENT

Microwave Ablation

BACKGROUND

Microwave ablation is used to treat tumors in soft tissue most commonly in liver and lung. Minimally invasive treatment for nonresectable liver tumors and other oncology procedures. Generator frequency is typically 915 MHz -2.45 GHz with up to 300 W of power per channel.

CHALLENGE

A major medical device company was designing a next generation microwave system. They required two modular power supplies with multiple outputs. In addition, the customer required a power supply that allows 4000 Vac input-output hi-pot testing to be met without removing gas discharge tubes or disassembling the chassis. In addition, they were seeking a partner with deep application knowledge and exceptional engineering support to meet their specific technical requirements.

SOLUTION

Advanced Energy recommended the Excelsys CoolX 1800.



Advanced Energy's CoolX®1800 series, part of our Excelsys product line, is an intelligent modular power supply. The CoolX1800 delivers an incredible 1800 W in a compact

1U high package with PMBus™ digital communications, control, and reliability in addition to the most comprehensive feature set and specifications available. In addition, no GDT is offered as one of standard options for CoolX1800.

Advanced Energy's Customer Experience Center (CECs) facilitated pre-compliance testing to accelerate time to market. The CEC is a one-stop shop for all your design and testing needs. From pinpointing issues and prototype sampling to pre-compliance testing for entire systems, our CECs can help you meet deadlines and budgets.

AE provides the following advantages:

- World-class service and consulting from technical experts
- Fast time to market with lowest total cost of ownership
- Customer Experience Center pre-compliance testing.

RESULT

By choosing Advanced Energy's CoolX®1800 series, the customer satisfied their requirements for highly reliable modular power supplies with high power density and best in class quality. As a result of the exceptional technical support and fast turnaround of modifications, the customer was able to accelerate their development cycle.

CONCLUSION

Advanced Energy's CoolX®1800 series is designed to meet the demanding specifications of electrosurgery applications utilizing state-of-the-art power conversion topology. With Advanced Energy's broad portfolio of highly reliable medical solutions, we are well equipped to meet all your high and low voltage application requirements for medical devices.



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