

High Power C Required in Intravascular Lithotripsy System

INDUSTRY**Electrosurgery****SOLUTION****High Power C
(2 kV/60 W)****APPLICATION****Intravascular
Lithotripsy (IVL)****CHALLENGE**

A next-gen IVL system with enhanced capabilities was being designed by a leading manufacturer of cardiac and peripheral artery lithotripsy equipment. This next-gen system was designed to operate at higher power with faster rep rates than previous systems translating into faster patient treatment times. The power supply needed to charge a larger capacitor than was used in the earlier system to 1.9 kV at a sub-100 Hz rep rate, and it was required to be efficient since the system is battery-powered.

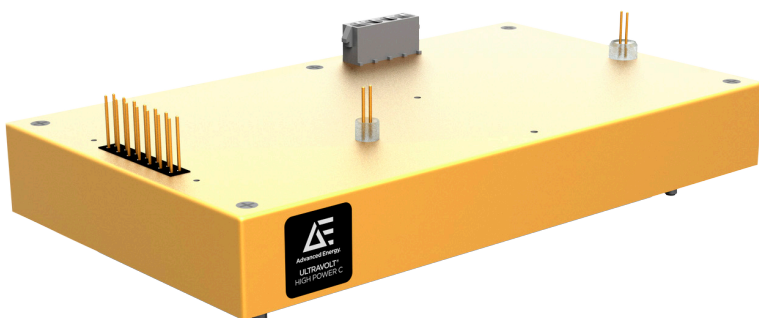
As a returning customer, their engineering team decided to use more of AE's components, due to the excellent support received when testing another Advanced Energy (AE) high voltage DC-DC power for a different application.

SOLUTION

After careful evaluation of the voltage, power and rep rate requirements, AE recommended the High Power C Series (P/N 2C24-P60). This series is known for its reliable and repeatable charging of capacitors and it has an excellent track record in the electrosurgery market.

The High Power C Series also offers:

- The compact nature of the power supply which is easily mountable in the customer's portable system.
- Excellent response time and increased pulse-to-pulse repeatability over the competition.
- Relatively low power consumption, making it well-suited for a battery-operated system.
- Highly responsive engineering and technical support
- Rapid turnaround on samples



RESULT/ CONCLUSION

The customer was presented with a solution that outperformed the competition in this application.

To the customer AE provides the following advantages:

- Technical understanding of the application
- Long-standing experience in high voltage applications
- Excellent customer service
- Worldwide product support
- Strong reputation for quality and reliability of DC-DC power supplies
- AE being a leading company in custom and modular power supplies



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