

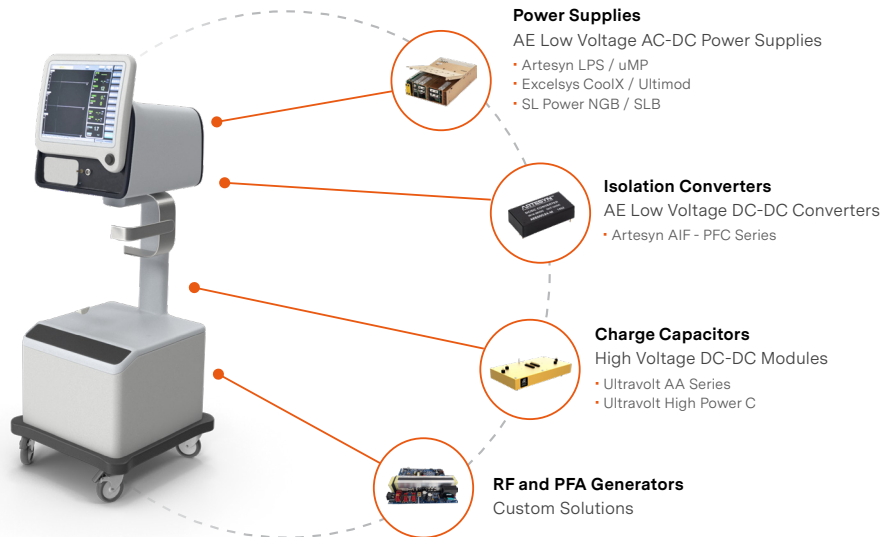
NEXT GENERATION POWER PLATFORMS

# Electrosurgery

As medical device companies strive to accelerate time to market of novel surgical energy therapies, Advanced Energy's affordable next generation RF and PFA platforms change the game. By leveraging our expertise in precision power delivery, Advanced Energy's Next Generation RF and PFA platforms can speed time to market at the lowest total cost of ownership. Our next generation power platforms are modular and fully user configurable for use in a wide range of medical applications.

## What We Power

- Cutting
- Coagulation
- Vessel Sealing
- RF Ablation
- Pulsed Field Ablation



## AE Product Roadmap

CF Rated Open Frame AC/DC Power Supplies up to 800W

Next Generation RF Power Platform Fully Configurable up to 400 W

Next Generation PFA Power Platform

# Next Generation E-Surgery Power Platforms

- The next stage of precision power
- Speed time to market
- Maximize design flexibility
- Lowest total cost of ownership

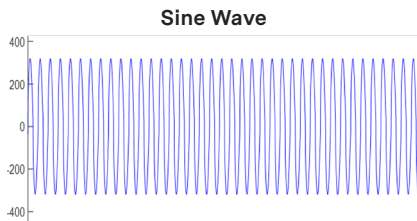
## AE RF Generator

- Provides wide power and frequency range and fully user configurable waveforms
- Modularity and configurability enables use in a wide range of electrosurgical applications

Parameter	Value
Output Voltage	Up to 800 V
Output Power	20W - 400 W
Pulse Frequency	Up to 1 Mhz
Waveform	Quasi Sinusoidal

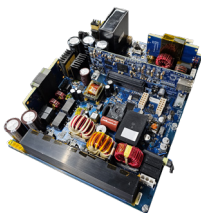
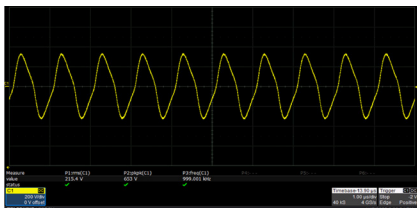
### Fully Configurable Waveforms

Access to detailed parameters allow creation of custom monopolar and bipolar, waveforms.



### Wide Power, Frequency and Wave Shape Range

E.g., 1 MHz 200 W sine-wave for tissue cutting.



## AE PFA Generator

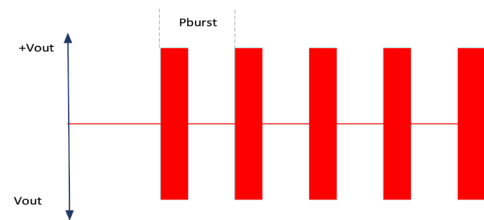
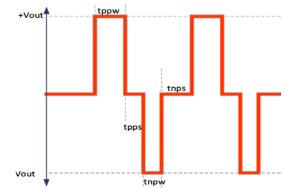
- Provides wide voltage range, fast switching and highly configurable pulse trains
- Modularity and configurability enables use in a wide range of medical applications

Parameter	Value
Output Voltage	800 - 3000 V
Output Power	Up to 150 kW Peak
Pulse Width	0.25 to 5µs
Waveform	Square Wave

### Fully Configurable Waveforms

Access to detailed pulse and burst parameters allow creation of custom monopolar, bipolar, asymmetrical biphasic waveform trains.

- Positive pulse width - Tppw
- Positive pulse separation - Tpps
- Negative pulse width - Tnpw
- Negative pulse separation - Tnps
- No. of pulses per Burst - Npul
- Burst Period - Pburst
- No. of Bursts per Train - Nburst
- Output Voltage - Vout



### Wide Voltage Range and Fast Switching

E.g., Asymmetrical HF-IRE 3 kV pulse in a repeating 5 us pulse, 3 us delay, 3 us pulse and 5 us delay pattern.

