USC Pulsed Power Research
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- Pseudospark based Corona ignition generator
  - 80 kV, 400 A, 50 ns
- Portable Compact Pulse Generator for cell electromanipulation experiments
  - 10 kV, 1 kA, 5 ns
- Rapid Charger for High rep rate operation of Pseudospark generators
  - 30 kV, 4 J, 1 – 1,000 Hz, 1 sec Burst mode
- Multi-gap Pseudospark switch development
  - 4 gaps = 100 kV hold off voltage
- Pseudospark based three-stage Marx generator
  - 90 kV, 10 kA, 100 ns
- Pseudospark Ion beam propulsion experiment
- Pseudospark XUV source for lithography experiment

Rapid charger

Marx Generator