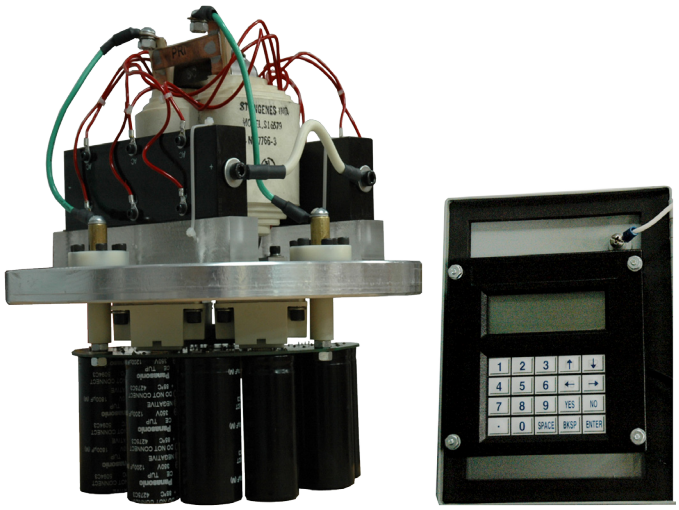
Rapid Capacitor Charger
PS-RCC-8-10

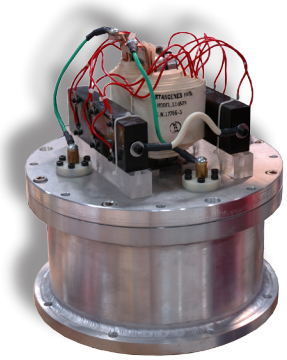
APELC's power supply for rapid capacitor charging, model PS-RCC-8-10 represents a revolution in capacitor charging for Marx generators. Designed as a turnkey solution to drive the APELC's family of Marx generators at high repetition rates, this component offers performance enhancements comparable to larger, bench-top supplies.



Unenclosed Rapid Capacitor Charger and control interface

Features

10 kJ per second average power
100 J per second at 100 Hz
External, fiber optically-connected controller
10 - 40 kV output voltage
AC or DC customer defined supply voltage
9 " Diameter / 12" long cylinder



Partially enclosed Rapid Capacitor Charger

Fully enclosed Rapid Capacitor Charger

Suggested Complimentary Marx Generator

° MG15-3C-940PF - With a 600kV erected voltage, high repetition rates and 50 Ω source impedance, this compact generator brings a high performance solution to such diverse applications as triggering and the direct generation of RF, employing one of APELC's modular high voltage antennas.

° MG15-3C-2700PF - APELC's 15-stage, 100 J Marx generator was specifically designed for ringdown, or dampened sinusoid RF applications. This generator brings an ultra compact geometry with high peak and average powers. This generator is characterized by a low inductance for quick pulse charging of capacitive loads or transmission lines, while being designed for high repetition rates.

° MG20-24C-2000PF - Referred to as The Big Unit, this generator brings a new genre in Marx generator applications; direct sourcing of low impedance loads, such as required by various High Power Microwave diodes. The Big Unit brings a patent-pending parallel switching topology that enables the generator to operate with a 15 Ω source impedance and distributed current conduction. As a result, this 1 MV generator can deliver more than 1 kJ with repetition rates in the 10's of Hertz.

° MG40-3C-2700PF - Originally designed for driving flash x-ray diodes, this generator has operating characteristics that extend its use beyond radiography. With fast voltage rise times and swift charge cycles, this generator is well suited for extreme trigger applications, direct RF generation or High Power Microwave applications

Terms:

F.O.B.	Austin, Texas
Delivery:	16 weeks, depending on stocked materials. Inquire for specific lead times
Deposit:	25%
Taxes:	Federal, State, and Local taxes are the responsibility of purchaser
Export:	Export license required for all shipments outside the U.S.
Note:	*All terms, conditions and information subject to change at APELC discretion.*

For additional information please contact us at:

P.O. Box 341149
Austin, TX 78734
Phone: (512)264-1804
Fax: (512)264-1784
www.apelc.com
sales@apelc.com