



HIGH VOLTAGE PULSED POWER SUPPLIES

# 350-9000W CAPACITOR CHARGER

NEW

## APPLICATIONS

- Medical (surgical) lasers
- Laser aesthetics systems
- Flash lamp pumped lasers
- Pulsed UV curing systems
- Sterilization systems
- Other products that deliver bursts of pulsed energy



# 350-9000W CAPACITOR CHARGER

## Faster Charge, Low Noise, Customizable

Digital Power's Capacitor Charger (Model: DPCC Series) is a new generation of high voltage pulsed power supplies based on Digital Power's innovative QCP (Quasi Constant Power) technology, providing up to 3000J/Sec in the range of 400V-1.6KV using the traditional standard size 12.7" x5.7" x 4.1". This size had previously been limited in the marketplace to 2,000J/Sec maximum.

We are proud to lead the market of Capacitor Charging by bringing new innovations. The QCP technology is a game changer in high voltage capacitor charging technology, allowing us to achieve high power density, faster repetition rates, and high reliability.

Digital Power provides a complete new line of compact, reliable and competitively-priced capacitor chargers with power levels ranging from 1KW to 9KW and output voltages up to 1.6KV. Standard and custom versions will enable medical, aesthetic, research, industrial and precision laser application manufacturers using flash lamps greater design flexibility by upgrading their existing laser products without the need for mechanical modifications.

**For more information, please call (877) 634-0982 or visit [www.digipwr.com](http://www.digipwr.com). You may also email us at [sales@digipwr.com](mailto:sales@digipwr.com).**

# CAPACITOR CHARGER

*High Voltage Pulsed Power Supplies*



Based on the standard size modular platform, the capacitor chargers are ideal for medical, dental, industrial, aerospace, and defense applications. these applications include flash lamp pumped laser systems, excimer laser systems, irradiation devices, inspection devices, diagnostic and therapeutic equipment, laser aesthetic systems, medical holmium YAG lasers, pulsed UV curing systems, sterilization systems, and many other products, including those that deliver bursts of pulsed energy.

The modular design of these highly efficient and flexible devices provides lower costs, high reliability, and quicker delivery times for a wide variety of OEM applications.

The DPCC Series is customizable and configurable.

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Power totals between  
350-1000 watts

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Visit [www.digipwr.com](http://www.digipwr.com) for more information.

Contact us for details and pricing.

1 (877) 634-0982 | [sales@digipwr.com](mailto:sales@digipwr.com)

# CAPACITOR CHARGER



## KEY FEATURES

- Ideal for OEM Laser applications
- EN55011 Class A, no external filter is needed
- IEC 60601-1 3rd edition and cTUVus approval
- High efficiency, 88% typical
- Fast response and low noise
- Fully isolated input to output, allowing connection directly to an AC line
- Load fault watchdog timer can be modified upon customer request
- Customized voltage and power output up to 1.6KV and up to 9000W
- Power factor correction 0.99

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## SPECIFICATIONS

### INPUT

Input Voltage	90–264Vac
Frequency	47–63Hz
Power Factor	0.99 typical
Inrush Current	<25A @ 220 Vac
Leakage Current	<120uA

### OUTPUT

Output Voltage	Configurable from 500Vac to 1000Vac
Output Power Range	500W to 9kW
Polarity	Positive
Efficiency	88%

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C to +50°C / 32°F to 122°F
Storage	-20°C to +85°C / -4°F to 185°F
Humidity	Operating 10–90%RH, Storage 10–95%RH
Cooling	Internal Fan
Safety	EN60601-1 3rd edition, CE Mark
MTBF	50,000 hours @ 30°C