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# BNC'S PCO-6131: THE ULTIMATE SOLUTION FOR DRIVING HIGH-POWER LASER DIODES

## Blog Post

San Rafael, CA - Berkeley Nucleonics Corp (BNC), a leading provider of high-tech instruments, is excited to announce the relaunch of their PCO-6131 high-power pulsed/CW current source. Designed for use in diode laser, bar, and array applications, this compact and OEM-style device delivers exceptional performance in a compact form factor.

The PCO-6131 is equipped with a user-adjustable variable rise time control, enabling users to optimize the rise time for their specific application. The rise time can be adjusted within a range of 2.5 µs via a PCB-mounted potentiometer.

The PCO-6131 is based on a hysteretic, average current, switch-mode regulator, providing high operating efficiency, low stored energy, and high performance in a compact design. With a maximum output current of 125 A, pulse widths from less than 100 ns to DC, and pulse repetition frequencies from single-shot to 500 kHz at duty cycles up to 100%, the PCO-6131 is an ideal choice for driving high-power laser diodes.

Choose the PCO-6131 for your next high-power laser diode application and experience the power and performance of this compact, high-quality current source. Contact Berkeley Nucleonics Corp (BNC) for more information and to place your order today.