

# DCP42 160W Single Continuous Switching Power Supply with USB

**Continuous switching Power Supply offers high efficiency electrical power conversion for greater energy conservation and lighter weight.**

**Applications:**

- Laboratory use
- Bench Testing, Service, and Repair
- Research and Development facilities
- Educational and Institutional Training



## Features

- Constantly calculates and adjusts the Voltage and Current limit points according to available maximum power (160W)
- At maximum current (10A), voltage is limited to 16V; at maximum voltage (42V), current is limited to 3.8A
- Dual action rotary encoder control with push knob for fine and coarse tuning
- Remote control for Programming, Output Voltage/Current, and ON/OFF using supplied software, driver, and USB
- Three on-board user-defined Voltage/Current presets
- Store 20 presets with up to 999 cycles each on a PC via USB and supplied Software
- Software also includes DC Ramp and Waveform Generator
- Complete with power cord, software, and USB cable

## Specifications

Output Voltage	0 to 42V
Output Current	0 to 10A
Basic Accuracy	±(0.2%+5 counts)
Load Voltage Regulation	≤0.15% (10-100% rated current)
Line Voltage Regulation	≤0.02% (90-264V AC)
Load Current Regulation	≤0.5% (10-90% rated voltage)
Line Current regulation	≤0.1% (90-264V AC)
Ripple and Noise	≤5m Vrms, ≤50m Vp-p
Dimensions/ Weight	7.9 x 3.7 x 9.5" (200 x 95 x 245mm)/ 5lbs (2.3kg)

## Ordering

DCP42 ..... 160W Single Continuous Switching Power Supply with USB (100-240V)