

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	$\pm(0.2\%+5 \text{ counts})$
Load Voltage Regulation	$\leq 0.15\%$ (10-100% rated current)
Line Voltage Regulation	$\leq 0.02\%$ (90-264V AC)
Load Current Regulation	$\leq 0.5\%$ (10-90% rated voltage)
Line Current regulation	$\leq 0.1\%$ (90-264V AC)
Ripple and Noise	$\leq 5\text{m Vrms}$, $\leq 50\text{m Vp-p}$
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)

