



Switchmode Power Supplies

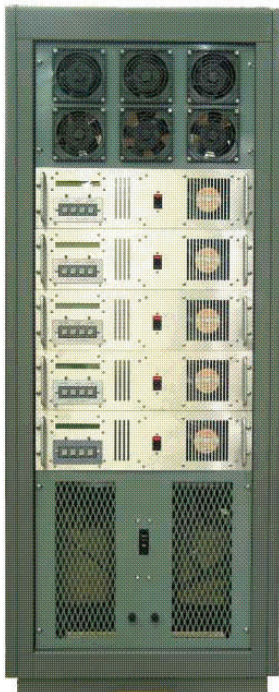


STANDARD FEATURES

- ◆ Totally Sealed Operation
- ◆ Soft Switching Power Converter Technology
- ◆ Digital/Microprocessor Controlled
- ◆ Standard Computer Interface Control

Options

- ◆ Reverse Polarity
- ◆ Timers
- ◆ Ampere Hour Meters
- ◆ Rack Mount or Bench Type
- ◆ Remote Control (Analog or Digital)



Dynapower and Rapid Power offer the latest generation of switchmode DC Power Supplies. Our power supplies feature innovative design and fabrication techniques, providing users with a significant cost and performance advantage. The sleek styling and distinctive appearance blend technology and functionality into a user-friendly, precision output, high tech package.

Controls

Dynapower and Rapid Power Corporations switchmode power supplies are designed to be simple to operate and maintain. All output adjustments are made from the control keypad located on the front panel of the unit. Also included on the front panel are:

- ◆ Power on/off switch
- ◆ Voltage and Current set-point control pushbuttons
- ◆ Up/Down set-point control pushbuttons
- ◆ Voltage and Current mode indicating lights
- ◆ Alphanumeric display for Voltage and Current set-points

Fault Diagnostics

The power supply features a fault diagnostic protection system to automatically shut down the unit in the unlikely event a fault condition exists. If a fault is detected, the microprocessor first verifies the fault and attempts to correct the condition. If the fault persists, the power supply will shut down and provide a fault message on the alphanumeric display. The fault detection system protects critical components of the power supply from the following conditions:

- ◆ Input AC line over and under-voltage
- ◆ Output DC over-voltage
- ◆ Output over-current (automatic reset)
- ◆ Over-temperature

SPECIFICATIONS

10 AMP TO 100 AMP SERIES

Input Voltage: 100 to 125 Volts AC 50/60 Hz, 1 Ph.

Output Voltage & Current:

10 A., 6, 12 VDC
25 A., 6, 12 VDC
50 A., 6, 12 VDC
100 A., 6, 12, 15, 24, 30 VDC

Dimensions: 5.25”H x 19”W x 20”D Stand alone or rack mountable

Weight: 45 lbs

200 AMP TO 300 AMP SERIES

Input Voltage: 190 to 250 Volts AC 50/60 Hz, 1 Ph.

Output Voltage & Current:

200 A., 6, 12, 15 V DC
300 A., 6, 12 V DC

Dimensions: 5.25”H x 19”W x 20”D Stand alone or rack mountable

Weight: 45 lbs

500 AMP TO 1000 AMP SERIES

Input Voltage: 480 Volts AC 50/60 Hz, 3 Ph.

Output Voltage & Current:

500 A., 6, 12 V DC
1000 A., 6, 12 V DC

Dimensions: 18”H x 19”W x 25”D Stand alone or rack mountable

Weight: 220 lbs

Output Voltage Regulation: $\pm 0.5\%$ from 10-100% of full range of output

Output Current Regulation: $\pm 0.5\%$ from 10-100% of full range of output

Output Ripple: 1% RMS of rated voltage and current from 10-100% of rated output

Operating Temperature: 0°C to 40°C (32°F to 104°F)

Line Side Protection:

Over/under-voltage shut down

Load Side Fault Protection:

Short circuit protected
Load over-voltage shut down
Load over-current shut down

Isolation:

Output to chassis: 500 VAC (1 minute)
Output to input AC line: 2000 VAC (1 minute)

System Protection: Over-temperature shut down

Sealing: Air-tight gasket seal

Warranty: 1 years parts and labor, please contact the factory for details



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