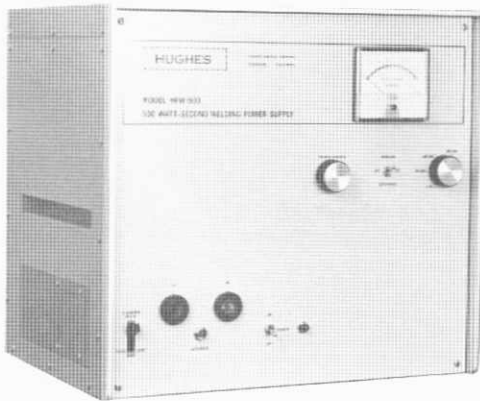


The Model HRW-500

500 WATT-SECOND DUAL RANGE, DUAL PULSEFORM SELECTION

This all-in-one chassis design, heavy duty power supply uses oil filled high voltage capacitors as well as a new ignitron switching circuit (no thyratrons). A choice of "standard" or "long" weld pulse duration affords extra versatility for different metals. The HRW-500 has a high capacity blower. This is a rugged power supply that can run continuously at full power at 1800 per hour—faster at lower power or intermittent service.



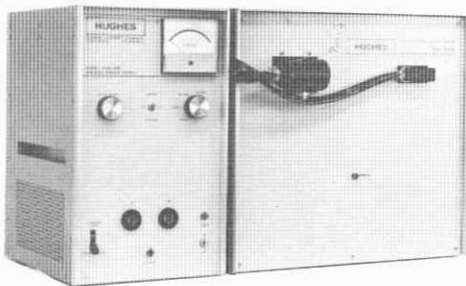
SPECIFICATIONS—Model HRW-500

- Energy Storage—Dual Range Low Range: 2-50 watt-seconds
High Range: 50-500 watt-seconds
 - Capacitor Bank Ultra-hi-stability oil filled 400 μ F
 - Capacitor Voltage 100-1580 volts DC, continuously adjustable
 - Circuitry Ignitron discharge circuits, all others solid state
 - Maximum Peak Current Output Short: 11,500 amps at 5.0 millisecond base
Long: 8,000 amps at 8.5 millisecond base
 - Repetition Rates At 100 watt-seconds 4/second
250 watt-seconds 3/second
500 watt-seconds 2/second
 - Input Power Requirements 220-240 volts single phase—60 Hz—30 amp fuse
 - Standby Power Line Demand Less than 2 amps
 - Dimensions 20 $\frac{3}{4}$ " high, 22 $\frac{1}{2}$ " wide, 16" deep
 - Weight 265 lbs. net—290 lbs. shipping
- Specify HRW-500-MC for factory-set 230 volts/50 Hz operation.*

The Model HRW-1000

1000 WATT-SECOND DUAL RANGE, DUAL PULSEFORM SELECTION

The heavy duty "work-horse" of the Hughes line, also has oil filled high voltage capacitors and high capacity blowers. The control unit is separate, enabling the power cabinet to be operated by remote control, thus conserving work bench space. No warm up is required since the ignition is keyed by SCRs, resulting in a time saving for your production line. On intermittent duty, the HRW-1000 is capable of delivering full charges at rates faster than one per second.



SPECIFICATIONS—Model HRW-1000

- Energy Storage—Dual Range Low Range: 4-100 watt-seconds
High Range: 100-1000 watt-seconds
 - Capacitor Bank 800 μ F, ultra-hi-stability oil filled
 - Capacitor Voltage 100-1580 volts DC, continuously variable
 - Circuitry Ignitron discharge—all others solid state
 - Maximum Peak Current Output Short: 17,000 amps at 6.5 millisecond base
Long: 11,000 amps at 11.5 millisecond base
 - Repetition Rates At 250 watt-seconds 3/second
500 watt-seconds 2/second
1000 watt-seconds 1/second
 - Input Power Requirements 220-240 volts single phase—60 Hz—40 amp fuse
 - Standby Power Line Demand Less than 3 amps
 - Dimensions Main cabinet, 20 $\frac{3}{4}$ " high, 22 $\frac{1}{2}$ " wide, 16" deep
Control cabinet, 21" high, 12" wide, 16" deep
 - Weight 450 lbs. net—485 lbs. shipping
- Specify HRW-1000-MC for factory-set 230 volts/50 Hz operation.*