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PRODUCT DATA SHEET

MODEL NO:
PS-2010



KEY FEATURES

- * Solid State Electronically Controlled
- * Compact Size
- * Use with HF-2000 High Frequency Starter
- * Compatible with all Bay State Control Consoles
- * 30 Kw at 100% Duty Cycle
- * 60 Kw Maximum Output

PS-Series POWER SUPPLIES

FOR THE PG SERIES
PLASMAGUN SYSTEM



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PS - Series Power Supplies

PS-Series Power Supplies are specifically engineered to provide complete electrical power for the PlasmaGun™ System. Three-phase power is transformed into a regulated DC output through the use of Silicon Controlled Rectifiers. The PS-2010 size makes it perfect for portable applications.

Thermal Overload Protection light indicates power shutdown. Helps ensure operator safety and protect power supply if duty cycle is exceeded or air flow if blocked.

115 Volt Duplex Receptacle provides 15 amps of auxiliary power.

Cooling Fan operates only when needed, reducing noise, power consumption, and the amount of airborne particles being pulled through the power supply.

Line Voltage Compensation ensures consistent arc performance by keeping output power constant, even if input power voltage varies by +/- 10%.

Enclosed Circuit Boards provide additional protection from contaminants resulting in longer service life.

PC Board Protection prevents stray voltages of less than 115 volts from harming the power source PC board.

Power Cord Strain Relief provided for convenience at installation.

The PS-2010 Power Supply is generally used with the CP-120 Control Console, operating with Argon, Helium, and Nitrogen. It can also operate with Hydrogen by adding the optional HFM-620 Hydrogen Module. It is capable of providing state of the art high velocity and high energy plasma parameters.

SPECIFICATIONS FOR PS-2010 POWER SUPPLY

Rated Output	Amperage Range	Amps Input at Rated Output, 50/60 Hz	Max. Open Circuit Voltage	Dimensions	Weight
650 amps at 44 volts DC, 100% duty cycle	50 – 815 amps	230 volts – 130 amps 380 volts – 77 amps 400 volts – 73 amps 440 volts – 66 amps 460 volts – 63 amps 520 volts – 54 amps 575 volts – 50.4 amps KVA – 50 KW – 34.8	72 volts DC	H: 30 in (762mm) Including lifting eye W: 23 in (585 mm) D: 38 in (966 mm) Including strain relief	545 lb. (247 kg.)