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
PLASMA GUN SYSTEM
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 though 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

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<tr>
<th>Rated Output</th>
<th>Amperage Range</th>
<th>Amps Input at Rated Output, 50/60 Hz</th>
<th>Max. Open Circuit Voltage</th>
<th>Dimensions</th>
<th>Weight</th>
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<tr>
<td>650 amps at 44 volts DC, 100% duty cycle</td>
<td>50 – 815 amps</td>
<td>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</td>
<td>72 volts DC</td>
<td>H: 30 in (762mm) Including lifting eye W: 23 in (585 mm) D: 38 in (966 mm) Including strain relief</td>
<td>545 lb. (247 kg.)</td>
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