

EPP-600

ESAB Precision Plasmarc™ Power Supply

The new EPP-600 Precision Plasmarc power supply features a wide operating range and a proven reliable design to provide the best range of capabilities with the durability needed for the most demanding applications.

Part of ESAB's new m3 plasma system, the EPP-600 can be used for both plasma marking and plasma cutting. For plasma marking, the EPP-600 can tightly control the current all the way down to 12 amps. Coupled with the ability to reach all the way up to 600 Amps, it has the widest current range available in the industry. And it's rated for 100% duty cycle at 600 Amps.

The EPP-600 features a highly efficient, high-power factor design that saves you money. Effective cutting or beveling of thick plate requires more power. Power is a product of amperage and voltage. The EPP-600 power supply is designed to provide a high operating voltage of 200 Volts at 600 Amps, allowing higher standoff and better arc performance, especially while beveling, where a high operating voltage is essential.

The advanced solid state design gives smooth, well regulated output current and is constructed for maintenance free operation in the most demanding environments. It features digital amperage and voltage meters, panel or remote current control, and "fan-on-demand" technology to reduce intake of dust, thereby extending maintenance intervals.

All ESAB plasma power supplies feature a 3 year warranty.



Wide Operating Range

- Allows cutting and marking with same system
- Current control as low as 12 Amps
- Maximum output 600 Amps

Performance Where It Counts

- High Output Voltage Capacity
- More power for thick plate or beveling
- Better arc performance
- Higher standoff capacity
- Rated for 100% duty cycle

Power Efficiency

- Efficient, high-power factor design
- Power factor of 91%
- Among the most efficient designs available
- Fan-on-demand technology

Precision Plasmarc[™] 600

Specifications

Input Voltage.....	460V, 60 Hz., 3-Phase 400V, 50 Hz., 3-Phase 575V, 60 Hz., 3-Phase
Input Current (at rated load)	179 amps, 460V, 3-Phase 206 amps, 400V, 3-Phase 143 amps, 575V, 3-Phase
Rated Output Current	600 amps, 100% duty
Output Current Range (Marking)	12 to 50 amps
Output Current Range (Cutting)	50 to 600 amps
Output Voltage	200VDC @ 600 amps
Output Circuit Voltage	427VDC
Power Factor (at rated load)	91.0%
Dimensions	42.75" high X 37.25" wide X 45" deep (1085.8mm X 946.1mm X 1143mm)
Shipping Weight	2062 lbs. (935.3 kg)

Ordering Information

EPP-600 400 Volt, 50 Hz. Input CE Version	0558005701
EPP-600 460 Volt, 60 Hz. Input	0558005702
EPP-600 575 Volt, 60 Hz. Input	0558005703

Specifications subject to change without notice.



**ESAB - Your Partner
in Welding and Cutting**



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