

# PowerPlasma 60S

**PAC**
**5**  
 YEAR WARRANTY


## Need to cut something? Start here.

If you are looking for a faster, cleaner, and cheaper cutting solution to your oxy-fuel setup, then the PowerPlasma 60S might just be what you are looking for. This unit has plenty of cutting power. If you need to, you can cut up to 3/4" quite conveniently, on a regular basis. If you have to, you can reach a maximum severance cut of 1 1/4" for those times where you just need to get it done and don't have a particular quality requirement. Either way, you have plenty of cutting power to produce excellent quality cuts at a fairly rapid pace for the average cutting chore around most shops and industrial settings.

The PowerPlasma 60S is convenient to use as well, with simple, straight forward controls. Manually adjusted post flow allows you optimize torch cooling to match your cutting conditions. Torch Tip Saver function controls and limits pilot arc operation to help extend consumable life. The normal pilot arc function allows the pilot arc to re-engage without restarting the arc and is excellent for cutting expanded metal.

## FEATURES THAT MAKE SENSE.

### Features that have a purpose

- Reliable name-brand IGBT components offer excellent performance and serviceability.
- Adjustable Post flow helps user to optimize consumable life based on cutting parameters and use pattern.
- Blow Back design has
- Quick connect power connectors ensures fast removal of torch and work clamp for easy storage and transport.
- Analog input makes unit easy to setup.
- Torch-TIP saver function limits pilot arc time and helps reduce consumable wear. Also features continuously engaging pilot arc function if needed for cutting expanded metals.
- 2T/4T function can be used to "lock" trigger into on position. Excellent for long cuts or track cutting.
- Pilot arc fuse prevents unit damage should pilot arc fail to function correctly due to misuse.

### Features that perform

- Bright Digital readout gives accurate and easy to see con-

trol of amps without guessing,

- Up to 1 1/4" Maximum Severance Cut.
- Up to 1" clean cut.
- Ideal for 3/4" daily use.
- Minimum practical cut: 24 gauge
- Final stage water trap/air filter included to augment the efficiency other installed inline filters. (Not designed to be used alone).
- 60 amp rated IPT 60 torch is one of the most widely used torches today and is used by several manufacturers due to its reliability and improved consumable life from the patented "back-striking" design.

### Features that stand out

- 60% Duty Cycle at maximum amps for maximum cutting time. Works well with long cuts and constant use.
- Low air pressure/no air pressure cut out protection shuts off output when no air line is connected or pressure is too low to prevent damage to the torch and consumables.
- Needs air compressor rated at a minimum of 5.5-6CFM @ 90PSI to support plasma.

## POWER SPECIFICATIONS

**PROCESS:** Plasma (PAC)  
**INPUT:** 240V 1 Phase, 50/60Hz  
**OUTPUT:** 20-60A/88-104V  
**INSULATION GRADE:** F  
**OCV:** 240V

**MAX INRUSH CURRENT:** 41A  
**DUTY CYCLE:** 60% @ 60A  
**PROTECTION CLASS:** IP21S  
**START TYPE:** Blow-Back (Non HF)  
**MAX SEVERANCE:** 1 1/4"

**DIMENSIONS:** 9.5Wx22"Lx18"H  
**WEIGHT:** 55 lbs., unit only  
**INVERTER TYPE:** IGBT  
**TORCH TYPE:** IPT 60 torch  
**RECOMMENDED DAILY USE:** 3/4"

**1-877-755-9353**

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# PowerPlasma 60S

# PAC

IPT 60  
4MHD Work Clamp Cable  
Assembly 3MSecondary/Final  
Stage Air Filter/RegulatorConsumable Starter  
Kit

## Universal Connector



Efficient and safe, the Central adapter offers quick torch connection and interchange.

Actual appearance and quantity of accessories may vary.



### Performance Specifications:

OCV	240V
Amps Output	20-60A
Volts Output	88-104V
Post Flow	0-50 Seconds
Air Compressor Requirement	6CFM @ 90PSI
Max Air Supply Pressure	90 PSI
Operating (Cutting) Pressure	72-75 PSI
Torch Start Type	Blow-Back/Pilot Arc
Max. Severance Cut	1 1/4"
Max. Recommended Pierce	1/2"
Recommended for Daily use	3/4"
Max. Clean Cut	1"
Duty Cycle	60% @ 60A
Generator Recommendation*	15,000W (Surge)

\*Generator should be certified by the manufacturer of the generator as providing clean power. Clean power is considered to be 5% or less THD (Total Harmonic Distortion). Everlast does not monitor or test generators to provide an approved generator list. Rather, the manufacturer should be able to supply this information.

### Safety/ Unit Protection Features:

Over Temperature Warning	Yes
Over Current Warning	Yes
Low air pressure interrupt	Yes
Consumable in-place interrupt	Yes
Trigger Lock/Guard	Yes



CNC control socket includes pins for turn-on, ok-to-move, raw arc voltage, divided arc voltage (1/16 or 1/50) and ground. See manual for complete CNC pin-out details.

## Up Close:

**Digital meter** allows the user to precisely adjust the cutter to any amp setting required.

**Step-less adjustment** offers precise control of amps without factory-fixed presets that impede selecting the best settings for the job.

**Thermal overload protection** Displays warning light and interrupts cutting until the plasma cutter has safely cooled.

**Front mounted air pressure gauge** allows the operator to verify proper air pressure at a glance, without having to check the rear of the machine.

**Adjustable Post Flow** is a feature unique to Everlast. This helps improve consumable and torch life. It also allows convenient setting for operation with semi-automated systems. The air flow test allows constant air flow which is used for purging or setting air pressure without igniting torch.

**Low air pressure warning** interrupts cutting when air pressure drops below safe operating limits. Light stays on while the air pressure is in the safe operating range.

**Torch trigger lock (2T/4T CNC)** allows the arc to be locked on while cutting so trigger does not need to be held. This improves functionality while working with long cuts or track torch systems which require a remote switch.



All specifications subject to change without notice.

All Everlast PowerPlasma units are covered by a 5 year parts and labor warranty.



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