



# PLASMA



## PowerPlasma Series

### IGBT Inverter Plasma Cutters

We believe that change in the welding industry is the only constant. Rest too long on your past accomplishments and someone will eventually overtake you.

Everlast's newest line of Plasma Cutters takes this sentiment to heart. With the step up to a fully redesigned and digitally controlled inverter, we've been able to update cut performance and improve features to match and exceed the standards of the industry. And we've managed to add a few of our own innovative ideas in there during the process.

Some of our improvements to look for:

- Digital Air Pressure Gauge
- Built-in Air Pressure Guide System
- Separate Gouge Mode
- Separate CNC Mode
- Post-Flow Control and Display Timer
- Super-Bright Digital Displays
- Improved Cut Performance

## SuperCut 51P

### Economy-Minded Plasma Cutter

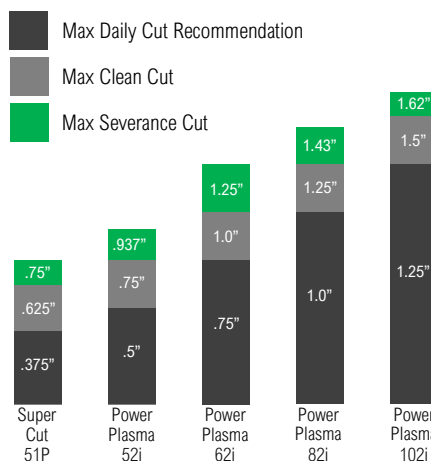
As a company, we don't like to forget the little guy. Progress is great, but not at the expense of our customers with a more limited budget. The SuperCut 51P is a solid performer with up to 50 amps of cutting power. It doesn't have all the improvements and design features of the Power-Plasma series, but it does do the one thing that people expect. It cuts. This High Frequency start unit may use older analog inverter technology, but it has proven itself in the garages of weekend warriors all over the country. For the occasional user this unit is a perfect match.



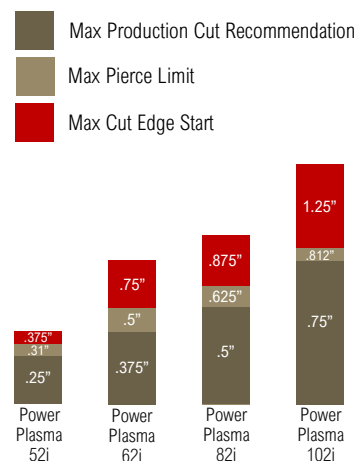
Model	120/240V	240V 1Ph	3 Ph*	Amps	Torch	Warranty
SuperCut 51P	●			20-50	AG60	3 Year
PowerPlasma 52i	●			20-50A	iPT60	5 Year
PowerPlasma 62i		●		20-60A	iPT60	5 Year
PowerPlasma 82i		●	●	20-80A	iPT80	5 Year
PowerPlasma 102i		●	●	20-100A	iPT100	5 Year

\* 3 Phase models are optional and available as special order. Specify voltage at time of order. \$200.00 Special order charge applies.

#### Hand-Cut Capacities



#### Automated-Cut Capacities



When selecting a plasma cutter for an application, do not select based upon maximum daily or clean cut capabilities. Maximum severance cut figures are derived using good conditions with new consumables at 3-5 inches per minute. Use the Maximum Daily Cut Recommendation for selecting units for hand use. Automated maximum cut figures take into account cutting at maximum duty cycles and best quality cut achieved at cutting speed thresholds for production. This is not an absolute maximum cut. Cuts at maximum piercing limits will accelerate wear on the consumables. Cuts above the maximum pierce limits will require edge starting. For Aluminum, reduce cut capacities by 35%.



## PowerPlasma Series Features



1. **Super Bright Display.** Oversized, large display allows settings to be read at greater distances and brighter light than before.
2. **PSI Display.** Accurately set air pressure with digital air pressure display.
3. **Air Pressure Setting Guide.** This guides the user to setting the proper pressure regardless of mode.
4. **Post-Flow Control and Display.** Allows the user to adjust the post gas flow time suit the specific application to prolong consumable life.
5. **Air Check.** When setting air pressure the air check can be used to allow gas to flow continuously without having to trigger the arc.
6. **Auto-Pilot Arc Relight.** Tip Saver and Gouge Function. When cutting expanded metal, or otherwise less than perfect metal, the pilot arc can be selected for continuous relight. Or for maximum consumable life, the pilot arc will light for up to 3 seconds before terminating, necessitating torch retriggering for re-light. Gouge is designed to allow old welds or excess metal to be rapidly removed. Used with special gouging consumables, this allows your Plasma cutter to do more than "cut".
7. **Status and Warning Indicators.** Among warnings for over current and duty cycle (over-temperature), the unit also has a "Consumables/Torch installed" indicator which indicates when consumables or the torch isn't fully mated to the corresponding part.
8. **Trigger Lock/CNC Function.** This allows your to operate the torch by pressing down on the trigger and releasing to start and cut. This locks the arc "on" to reduce fatigue on long cuts. The trigger is



For more technical information and manual downloads go to [www.everlastwelders.com](http://www.everlastwelders.com).

## New Design, Improved Features

We've built all the PowerPlasma Series units with the same performance related features, but with different amp output levels to make selection easier. These features have been carefully selected and tested for maximum usefulness and performance for years of worry-free use.

### Every PowerPlasma features:

- Pilot Arc with Auto/Continuous Relight and Tip Saver Function
- Blow-Back type (Non-High Frequency) Start Torch
- Super-Bright, High Visibility Displays
- CNC/Automated Cut Interface Port
- Color-Coded Built-in Air Pressure Setting Guide
- Trigger Lock Function or Press and Hold Function
- Adjustable Automatic Post Flow Timer
- Air Check Function
- Adaptive Color Coded Air-Pressure Guide
- 60% Duty-Cycle at maximum Output
- Digitally Controlled IGBT Inverter
- Low-Air Pressure Interrupt
- Five Year Parts and Labor Warranty on Cutter (USA)

## Secure, Easy-To-Use Connections



The Central Connector and Dinse Work Clamp Connectors allows secure and rapid connection of the torch, allowing maximum transmission of power. This allows you to quickly prepare the unit for moving or storage. It reduces strain on connectors and making torch and cable replacements a cinch. We're one of the first companies to feature such a connection and continues to be a popular feature of our new product line.

## Ready For Commercial Automated Use

The PowerPlasma series feature a CNC port pre-installed on the rear of all units. This connection supplies everything most automated systems require for setup and use. Voltage signals for THC include 50:1, 16:1, and Filtered Raw Arc Voltage.

For use with CNC and automated track cutting, consider purchasing our CNC package that includes the machine torch and socket connector. This is packaged to save you money. Of course, if you wish to be able to switch between manual cutting and automated cutting, purchase the plasma cutter now and you can always add the CNC torch as an additional option, or purchase it later. Choose between 12.5 and 25 ft. Innotec Torches.



## Industry-Leading 5 Year Warranty (USA)

If there is any doubt about the durability or lasting performance of this machine, the PowerPlasma series units feature a full 5 Year warranty covering the Parts and Labor. This is the best in the industry. No "add-on" warranties to purchase.



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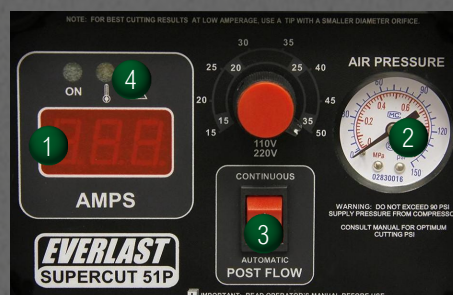
## Economy Minded Cutting Power

Budget friendly, the very basic SuperCut unit comes in a winner for our customers who need to guard their wallet. It's geared toward the home-owner and small garage environment and produces excellent cuts on up to 3/8" metal. Of course, it can cut thicker than that when needed, but if you cut on a semi-regular basis, this unit works well for making quick work of anything up to 3/8". Thicker than that the unit still will cut through, but cut speeds will begin to drop.

### The SuperCut Features:

- Pilot Arc with Auto Relight
- High Frequency Start
- Front Mounted Air-Pressure Gauge
- Dual Voltage 120/240V Input
- Digital Amp Display
- Gas Check Function
- Over Current and Duty Cycle Warning
- 3 Year Warranty (USA)

## SuperCut Features



1. Digital Display. Accurately Displays output Amperage.
2. Air Pressure Gauge. Displays Adjusted Air Pressure.
3. Continuous Flow Switch. Allows air pressure to be adjusted without triggering the arc.
4. Status and Warning Indicators. Displays ON, Duty Cycle/Over Temperature and Over Current.

## SuperCut 51P

### Simple, But Still Covers The Basics

The SuperCut 51P is a simple, compact plasma cutter designed for the homeowner and occasional user in mind. Budget friendly, the SuperCut 51P has almost everything you need to cut common metal thicknesses typically used in small projects found around the typical home or small garage. It doesn't have all the performance statistics and features of the PowerPlasma series but the unit has established a reputation as a reliable, compact plasma cutter that is perfect for the weekend user or small shop where production isn't a major consideration. *Notice: Not for automated use.*

### Super-Cut 51P

Input Voltage	120/240V Single Phase
Inrush Current	120V: 48A / 240V: 30A
Rated Current	120V: 37.1A / 23.2A
OCV	255V
Operating Range (A)	120V: 15-35A / 240V: 15-50A
Start Type	High Frequency
Maximum Output @ Duty Cycle	120V: 35A/94V @ 60% / 240V: 50A/100V @ 60%
Minimum Air-Compressor Size	4.0 CFM @ 90PSI/ 30 Gallon Tank
Minimum Generator Requirement	7500W Clean Power Output ≤5% THD Rating
Torch Type	AG-60 12.5 Ft.
Size/Dimensions	11"H X 7.4"W X 13"L
Weight	21.4 lbs
Recommended Used	Home Owner/Small Garage/Occasional User

## What's Included



<https://www.everlastgenerators.com/product/plasma/supercut-51p>



## What's Included



- 12.5 Ft. Innotec iPT 60 Torch
- Adjustable Regulator and Mounting Hardware
- 50 Amp Starter Consumable Kit (Pipe Tip)
- Torch Stand-Off
- 240V to 120V Adapter
- 200A Work Clamp, 10 Foot Cable and 25 Series DINSE-Type Adapter
- 6.5 Ft Power Cable and NEMA 6-50 240V Plug



<https://www.everlastgenerators.com/product/plasma/powerplasma-50s>

## PowerPlasma 52i

### Perfectly Portable, Perfectly Powerful

Far more than your basic cutter, the PowerPlasma 52i gives you everything you need to accurately cut material 1/2" thick with relative ease on a daily basis. When asked to in those rare but extreme cases, you'll get nearly 1" severance out of the unit. The under \$1000.00 price tag gets you the maximizes the inches of thickness cut per dollar spent. The unit features a gouge mode for light gouging activities (with opt. gouging consumables) as well as a CNC mode for automated cutting of light gauge metals making this unit a truly versatile tool to have in the welding arsenal.

As the smallest member of the PowerPlasma lineup, the PowerPlasma 52i makes a perfect companion for portable welding activities, and can be run with a 8500 Watt generator rated as "clean power" (15% Total Harmonic Distortion). When the quickly detachable cables are removed, the PowerPlasma 52i is small enough to fit into truck service body compartments.

### PowerPlasma 52i

Input Voltage	120/240V Single Phase
Inrush Current	120V: 32.1 / 240V: 35.8A
Rated Current	120V: 32.1A / 27.9A
OCV	200V
Operating Range (A)	120V: 20-25A / 240V: 20-50A
Start Type	Blow-Back, Non-HF
Maximum Output @ Duty Cycle	120V: 25A/90V @ 60% / 240V: 50A/100V @ 60%
Minimum Air-Compressor Size	5.0 CFM @ 90PSI/ 30 Gallon Tank
Minimum Generator Requirement	8500W Clean Power Output ≤5% THD Rating
Torch Type	Innotec iPT 60 12.5 Ft.
Size/Dimensions	12.5"H X 7.5"W X 14"L
Weight	35 lbs
Recommended Uses	Light Fabrication/Art/ Limited Automated Use/ Portable Welding

### Optional Torches



24 ft. Innotec iPT60 Torch  
Part# INTM-PT60-60A-24BBP-CENTRAL



24 ft. Innotec iPT60M Machine Torch  
Part# INTM-PT60M-60M-25BBP-MACHINE

## PowerPlasma 62i

### Commercial Class Performance

When you decide to step up to more capability, without having to step up the price tag, the PowerPlasma 62i stands ready in the gap. The PowerPlasma 62i is a mid-range plasma cutter that offers great cutting performance up to 3/4" without too much of a hassle. When called upon, you'll get clean cuts up to 1". If you decide to purchase the CNC package, the unit is a good option for cutting up to 3/8" plate without too much slow down.

The larger frame and output of the PowerPlasma 62i puts this unit cleanly into a commercial class territory. You can depend upon it to deliver 60% duty cycle at the maximum of 60 Amps. If you need a higher duty cycle, you won't have to drop the amperage but to 50 Amps to achieve a 100% duty cycle cut (out of 10 minutes).

The PowerPlasma 62i is still small and light enough to be portable and can operate off of clean powered generators ( $\leq 5\%$  THD) rated for 10,000 Watts.

### PowerPlasma 62i

Input Voltage	240V Single Phase
Inrush Current	41A
Rated Current	32.4A
OCV	240V
Operating Range (A)	20-60A
Start Type	Blow-Back, Non-HF
Maximum Output @ Duty Cycle	60A/104V @ 60%
Minimum Air-Compressor Size	6.0 CFM @ 90PSI/ 30 Gallon Tank
Minimum Generator Requirement	10,000W Clean Power Output $\leq 5\%$ THD Rating
Torch Type	Innotec iPT 60 12.5 Ft.
Size/Dimensions	18"H X 10"W X 25"L
Weight	50 lbs
Recommended Uses	General Fabrication/Art/Light Production/Automated Use/Portable Welding /Farm and Ranch

### Optional Torches



24 ft. Innotec iPT60 Torch  
Part# INTM-PT60-60A-24BBP-CENTRAL



24 ft. Innotec iPT60M Machine Torch  
Part# INTM-PT60M-60M-25BBP-MACHINE

### What's Included



- 12.5 Ft. Innotec iPT 60 Torch
- Adjustable Regulator and Mounting Hardware
- 60 Amp Starter Consumable Kit (Pipe Tip)
- Torch Stand-Off
- 200A Work Clamp, 10 Foot Cable and 25 Series DINSE-Type Adapter
- 6.5 Ft Power Cable and NEMA 6-50 240V Plug



<https://www.everlastgenerators.com/product/plasma/powerplasma-62i>

## What's Included



- 12.5 Ft. Innotec IPT 80 Torch
- Adjustable Regulator and Mounting Hardware
- 70-80 Amp Starter Consumable Kit (Pipe Tip)
- 200A Work Clamp, 10 Foot Cable and 25 Series DINSE-Type Adapter
- 6.5 Ft Power Cable and NEMA 6-50 240V Plug



<https://www.everlastgenerators.com/product/plasma/powerplasma-82i>

## PowerPlasma 82i

### Unbelievable Power, Unbeatable Price

For around the price of your average 30 Amp Plasma cutter, the PowerPlasma 82i delivers absolutely astounding cutting power. The fully digital design of the PowerPlasma 82i delivers clean cuts at maximum power. The Innotec IPT 80 torch now has several types of consumables available including shielded consumables, and narrower kerf, low amp consumables. These can be purchased from a number of online OEM suppliers of the Innotec Plasma Torch.

The cutting power of this unit is enough to easily carve up 1" plate with little effort. If you need it, look for around 1 1/4" clean cut capacity by hand. If you need to hack something through, the unit can sever up to 1 7/16".

If you are looking for a Plasma cutter for your table with intentions of cutting up to 5/8" plate with pierce through cutting, the PowerPlasma 82i CNC package is the machine you need out of the PowerPlasma line. This unit features 100% duty cycle at 63 Amps and 60% duty cycle at 80 Amps for long cutting cycles.

### PowerPlasma 82i

Input Voltage	240V Single Phase (3 Phase Opt./Special Order)
Inrush Current	58.4A
Rated Current	45.2A
OCV	240V
Operating Range (A)	20-80A
Start Type	Blow-Back, Non-HF
Maximum Output @ Duty Cycle	60A/112V @ 60%
Minimum Air-Compressor Size	7.0 CFM @ 90PSI/ 60 Gallon Tank
Minimum Generator Requirement	13,000W Clean Power Output ≤5% THD Rating
Torch Type	Innotec IPT 80 12.5 Ft.
Size/Dimensions	17"H X 9"W X 22"L
Weight	51 lbs
Recommended Uses	Industrial Fabrication/Automated Use/Farm and Ranch/ Production Cutting/CNC/Pipe Beveling

### Optional Torches



24 ft. Innotec IPT60 Torch  
Part# INTM-PT80-80A-14BBP-CENTRAL



24 ft. Innotec IPT80M Machine Torch  
Part# INTM-PT80M-80A-14BBP-MACHINE





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## PowerPlasma 102i

### Ready for Beast Mode?

Although technically the PowerPlasma 102i doesn't have a "Beast Mode", you might think that it does as it blows through metal well in excess of 1 1/4" with relative ease. It can be coaxed into cutting steel in excess of 1 1/2" in thickness with possibly more to spare. While we don't like to overstate our claims, the PowerPlasma 102i actually does have the capability to satisfy almost any manual plasma cutting need found in most shops and production facilities. Of course, there's always an exception, but as far as cutting power goes, few professional customers are ever going to need more cutting power than this unit. Think of this: This is still cheaper than many 45 and 60 amp plasma cutters on the market. Even if you don't ever need all the cut power this unit has to spare, you can still save money when you buy this plasma cutter when you compare to the competition entry level offerings.

With a 100% duty cycle at 80A and a 60% duty cycle at 100Amps, this unit is ready to put on any CNC table with the optional CNC package. Of course, if you need both the hand and automated cutting capability, buy the base unit and then

### PowerPlasma 102i

Input Voltage	240V Single Phase (3 Phase Opt./Special Order)
Inrush Current	78A
Rated Current	60A
OCV	250V
Operating Range (A)	20-100A
Start Type	Blow-Back Non-HF
Maximum Output @ Duty Cycle	100A @ 60%
Minimum Air-Compressor Size	8.0 CFM @ 90PSI/ 30 Gallon Tank
Minimum Generator Requirement	21, 000W Clean Power Output ≤5% THD Rating
Torch Type	Innotec IPT 100 12.5 Ft.
Size/Dimensions	17"H X 9"W X 22"L
Weight	58 lbs
Recommended Uses	Light Fabrication/Art/ Limited Automated Use/

### Optional Torches



24 ft. Innotec IPT100 Torch Part# INTM-PT100-100A-24BBP-CENTRAL  
24 ft. Innotec IPT100M Machine Torch Part# INTM-PT100M-100M-24BBP-MACHINE

### What's Included



- 12.5 Ft. Innotec IPT 100 Torch
- Adjustable Regulator and Mounting Hardware
- 90-100 Amp Starter Consumable Kit
- 200A Work Clamp, 10 Foot Cable and 25 Series DINSE-Type Adapter
- 6.5 Ft Power Cable and NEMA 6-50 240V Plug



<https://www.everlastgenerators.com/product/plasma/powerplasma-100s>