

# SuperCut 51P

**PAC**

## Simple, but effective.

You'll notice a few things different about the SuperCut 51P when you compare to other plasma cutters. First, it is simple. There's not a lot to it. That's true. The SuperCut 51P is the successor to the popular SuperCut 50P. When we went to redesign the SuperCut 50, we wanted to keep all the things that people liked about the unit, including the cost and simple functions. But, we wanted to improve the reliability of the old entry level cutter.

With a completely new redesigned internals, the MOSFET based SuperCut 51 offers greatly improved reliability and cut capacity. Performance while operating with 120V has been improved as well. Separate overcurrent and duty cycle/temperature lights have been added as well to improve the user's ability to monitor and diagnose unit faults should they arise.

A casual glance at the externals won't reveal much difference. But trust us. This is a better unit than previous generations of the SuperCut series. While this is still a entry level unit, it offers more than ever before with a longer life internal design.

## FEATURES THAT MAKE SENSE.

### Features that have a purpose

- Basic MOSFET design offers improved performance and service life while still keeping price low.
- Auto post flow for proper cooling of torch.
- HF start design offers fast starts.
- Easy, external connections.
- Analog input makes unit easy to setup.
- Auto-Engaging Pilot arc works well on expanded metal.
- 2T/4T function can be used to "lock" trigger into on position. Excellent for long cuts or track cutting.

### Features that perform

- 120V or 240V operation for ultimate portability.
- Up to 3/4" Maximum Severance Cut.
- Up to 5/8" clean cut.
- Ideal for 3/8" daily use.
- Cut up to 1/4" inch on 120V.
- 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 AG 60 torch is simple and dependable, with consumables that are among the most reasonably priced on the market. This HF torch design has been battle proven and works well, without a lot of extra parts or pieces to keep up with.

### 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.

## POWER SPECIFICATIONS

**PROCESS:** Plasma (PAC)  
**INPUT:** 120/240V 1 Phase, 50/60Hz  
**OUTPUT 120/240V:** 14-35A/85.6-94V; 14-50A/85.6-100V  
**INSULATION GRADE:** F  
**OCV:** 255V

**MAX INRUSH CURRENT:** 120V: 48A, 240V: 30A  
**DUTY CYCLE 120/240V:** 60% @ 35/50A  
**PROTECTION CLASS:** IP21S  
**START TYPE:** High Frequency  
**MAX SEVERANCE:** 3/4"

**DIMENSIONS:** 7.5"Wx20"Lx11"H  
**WEIGHT:** 22 lbs., unit only  
**INVERTER TYPE:** MOSFET  
**TORCH TYPE:** IPT 60 torch  
**RECOMMENDED DAILY USE:** 3/8"

**1-877-755-9353**

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# SuperCut 51P

# PAC



iPT 60  
4M

HD Work Clamp Cable  
Assembly 3M

Final Stage  
Air Filter/Dryer/Regulator

Consumable Starter  
Kit

Actual appearance and quantity of accessories may vary.



### Performance Specifications:

OCV	255V
Amps Output 120/240V	14-35A/14-50A
Volts Output 120/240V	85.6-94V/ 85.6-100V
Post Flow	Auto
Air Compressor Requirement	4.5-5 CFM @ 90PSI
Max Air Supply Pressure	90 PSI
Operating (Cutting) Pressure	65 PSI
Torch Start Type	Blow-Back/Pilot Arc
Max. Severance Cut	3/4"
Max. Recommended Pierce	1/4"
Recommended for Daily use	3/8"
Max. Clean Cut	5/8"
Duty Cycle 120/240V	60% @ 55/50A
Generator Recommendation*	8000W (Surge rating)

\*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	No
Consumable in-place interrupt	No
Trigger Lock/Guard	No



### 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 and Overcurrent protection** Displays warning light and interrupts cutting until the plasma cutter has safely cooled or over current has been remedied.

**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.



All specifications subject to change without notice.

All Everlast SuperCut units are covered by a 3 year parts and labor warranty.



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