

PowerPlasma 100



PROCESS: PAC with HF start/Pilot Arc
INPUT: 220-240V 1/3 Phase, 50/60Hz, 90 A, 45 A
OUTPUT: 20-100 A; 88-120 V
INVERTER TYPE: IGBT construction

OCV: 220V
RATED CUT: 1 5/8"
MAXIMUM CUT: 1 3/4"
DUTY CYCLE: 60% @ 100 A, 100% @ 80 A

DIMENSIONS: 11"Wx24"Lx24"H
WEIGHT: 95 lbs., unit only
PROTECTION CLASS: IP21S
INSULATION GRADE: F



SUITABLE FOR

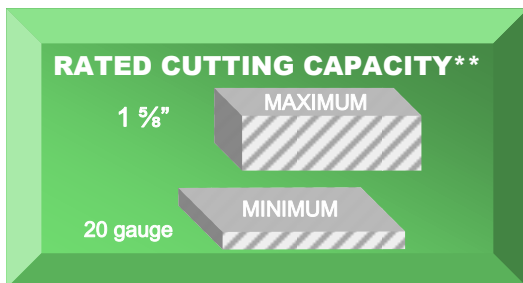
- ⇒ Industrial
- ⇒ Fabrication
- ⇒ Farm
- ⇒ Motor Sports
- ⇒ Maintenance
- ⇒ CNC

Since Everlast is rewriting the books on affordable plasma cutting, we decided to go ahead and add a few pages. The PowerPlasma 100 from Everlast is the first 100 amp inverter plasma cutter on the market to be offered under \$2000.00. But don't let the price fool you. Packed with quality IGBT components from Siemens and equipped with an ergonomic Trafimet® high frequency A-101 torch,* the PowerPlasma 100 cuts cleanly, and precisely through any kind of metal

If you regularly need to cut heavy plate, whether its CNC applications or recycling scrap metal, the 100 amp output of the machine easily cuts metal over 1.5 inches with a 60% duty cycle. The high frequency start and pilot arc features are perfect for cutting grating, catwalk material, and even rusted metal stock.

The PowerPlasma 100 has been carefully designed for a commanding industrial performance. But when you consider the price, it's an excellent choice that will please the both the user and the bookkeeper.

PAC



*Model of torch and specifications subject to change
 **image not to scale, rated for best cut quality

CUTTING POWER TO SPARE:

20-100 Amp Cutting Range

Never worry about having the right tool to do the job. Stepless control of the amps gives you the ability to precisely set the amps for the job. Cuts can be made down to the thinnest gauge materials with accuracy. Plate metal poses no problem either, with up to 1 3/4" cutting ability and 1 5/8" rated capacity for quality cuts.

Pilot Arc

Gives you the ability to always power the arc and increase cutting speed over rough surface materials like expanded metal. On conventional systems, once the arc is interrupted, the trigger must be released and pressed again to restart the arc. With the PowerPlasma pilot arc, once the cutting arc is lost, the system automatically senses the loss of voltage, reduces amperage, and transfers the arc back to the torch head to complete the circuit to maintain an arc. No restarting is necessary when continuity to the work piece is regained.

Power conserving IGBT inverter platform

Inverters have revolutionized the welding industry, by reducing size and weight, while improving operating efficiency. The light-weight design offers the ultimate in portability. The use of IGBT technology improves inverter reliability and performance.

Reliable high frequency starting

Nothing starts as quickly and reliably as high frequency. It's a proven, time tested method of starting the plasma arc. There is no perceptible delay and restarts are immediate, without waiting for the air flow to stop to restart.

Temp/Overcurrent warning

With a high duty cycle of 60% at full power, the Power Plasma 100 does not stop cutting very easily. But there are times when you may reach or exceed the duty cycle. When that happens the unit automatically shuts down until the unit has cooled down to safe operating range.

Phase warning

If a power leg fails in 3 phase operation, or power is supplied from duplicate phases, the indicator interrupts power until the fault is corrected.



PowerPlasma 100

Included Accessories*



A101 Trafimet® Torch



300 Amp Work Clamp Cable Assembly



Regulator /Filter for Compressed Air



Consumable Kit

Universal Connector



Efficient and safe, the Euro style quick-connect offers interchangeability with aftermarket torch brands like Trafimet®.

Up Close:

Digital meter amp and volt meter allow the user to precisely adjust the cutter to any amp setting desired. Volts are automatically reflected.

Stepless adjustment allows user to have precise control over amps without clumsy, factory-fixed presets, that selecting the best settings for the job.

Thermal overload and phase protection warn when the duty cycle has been exceeded or when power input is corrupted and interrupts cutting until the plasma cutter has safely cooled or the fault is corrected.

Auto/Standard setting locks the torch on while cutting. Excellent for track torch operation and small CNC cutters without voltage sensing.



**100
Amps**

Plasma Specifications:

OCV	200V
Amps	20-100A
Volts	88-120 V
Post Flow	0-60 Seconds
Air Compressor Requirement	>7.0 CFM @ 90 psi 50 gallon reserve
Inlet Air Pressure	< 85 psi
Cutting Pressure	50-80 psi recommended (40 psi gauge)
Maximum Rated Cut (quality)	1 5/8"
Maximum Severance Cut	1 3/4"
Maximum Pierce	<3/4"
Gouging	heavy 5/8"

Optional Equipment:**

Auto-Dark Helmet

- Strong Man
- Fabricator***
- Defender



Spare Consumables

- Complete kits
- Individual packs
- High quality
- Different sizes



Cart

- Heavy duty
- 3 shelves
- Heavy Casters



*Actual appearance of accessories may vary.

** Optional Equipment subject to change.

***Recommended for Plasma cutting and welding.

EVERLAST

1-877-755-9353

329 Littlefield Ave. South San Francisco, CA 94080

everlastwelders.com

PAC