



PowerTIG 200DV

GTAW-P/SMAW

Specifications

| | | | | | | | | | |
|--------------------------|--|----------------|----------|--------------------------------------|---|------------------------------------|-----------|---------------------------------|-------------------------|
| Process: | GTAW-P/ SMAW | Input: | 120/240V | TIG Range (120V) 240V: | DC TIG: 5-(125A)200A, AC TIG: 20-(125A)200A | I1Max (Inrush) (120V) 240V: | (35A) 31A | I1Eff (Rated) (120)240V: | (24A) 23A |
| TIG Duty Cycle: | 120V: 60% @ 125A/15V 240V: 60% @ 200A/18V | OCV: | 75V | Stick Amp Range: (120V) 240V: | DC Stick: 5-(100A) 160A AC Stick: 20A-(100A)160A | TIG Pulse Frequency DC: | .5-150 Hz | TIG Torch Type: | 26 Series Rigid 12.5 Ft |
| Stick Duty Cycle: | 125V: 35% @ 100A/24V 240V: 35% @ 160A/26.4V | Weight: | 56 lbs. | Dimensions: | 22" L x 9"H x 17"W | TIG Pulse Frequency AC: | .5-150 Hz | AC TIG Balance: | 10-90% + (positive) |
| | | | | | | AC TIG Frequency: | 20-250Hz | | |

Expert Level Performance.

New Cover and Case Design

The new case design is a rugged improvement over the old type of case with improved design extra handles for carrying and a protective clear cover that is easy to lift with a gloved hand..

Analog Knobs/Digital Control

While the unit enjoys the improved reliability and serviceability of internal digitally controlled components, the interface is still analog style to preserve that traditional feel, and at-a-glance knowledge of all your settings.

60% Duty Cycle

The cooling capacity of this machine sets the mark for industrial class machines. Generous venting and powerful constant delivery fan provides extra cooling. 60% Duty Cycle is the Gold Standard for serious users.

Quick Gas Connection

Everlast has pioneered the use of gas quick connects in the industry. Now others are following. Rather than needing a couple of wrenches and about five minutes of change over time,



Water-Cooler Ready

Look on the back and you'll see that the unit is designed to operate in conjunction with our new, stackable PowerCool 375 water cooler. The plug is built right into the back of the unit so the cooler can be turned on and off with the main power switch of the welder. The design is almost seamless when stacked.

Stick Arc Force Control

Improves stick welding experience by using an adjustable arc force control to control spatter and rod wet-in.

Adjustable AC Frequency and Balance

This is something you won't find on any other welders in this class, especially the range of adjustment that this unit offers. When welding in AC on Aluminum AC frequency helps to focus the arc and control heat. AC balance helps to maintain the tungsten and control the cleaning width.

Fully Adjustable Pulse Function

This unit offers excellent pulse characteristics with full adjustability of all pulse functions including Pulse Amperage, Pulse Time-On, and a Pulse Frequency from .2 to 150Hz .

Easy Change of Polarity

This unit makes changing from TIG to Stick and back again and easy task via the use of 25mm² DINSE Type Connectors.



5 Year Parts and Labor Warranty

Simply the best warranty in the business. Who else offers this without paying extra, or giving you a long list of exclusions?

Uses: Fabrication, HVAC, Marine, Motorsports, Farm/Ranch

A Next Level Experience

Built on a Legacy.

The rugged new PowerTIG 200DV design represents the latest evolution of the original reliable and almost legendary PowerTIG series introduced in 2009. The PowerTIG series, and more specifically the PowerTIG 200 models have become well known throughout the industry as a trend setting, by combining practical, useable Pro-level features at an accessible, sensible price point. Combined with the reliability and straight forward design, the PowerTIG 200DV has become a front runner in the industry for those need 200A welding capability in an AC/DC unit.

The industrial 60% duty cycle of the PowerTIG 200DV truly delivers industrial performance. This duty cycle isn't anything new. It dates back to the very beginning of the PowerTIG line. The duty cycle of this unit isn't some theoretical sales pitch. No, it has been officially tested and verified both in the labs and out in the field.

Few analog input machines remain on the market, with the market trending to less and less controls and bottle necked digital buttons. However, the PowerTIG 200DV has remained true to the concept of delivering an opera-

tor interface that is easy for anyone to use. While the internal components have migrated to a more reliable and easily serviced digitally controlled, modular design the PowerTIG 200DV remains what it was, a sensible, pro level machine that offers easy adjustment with gloved hands and one that allows at-a-glance check on settings.

If you are wanting to expand or start your own business, this unit truly delivers the next level experience and it does so a great price point. But if you aren't yet convinced by the best features of this machine, here are a few more features you might find convincing:

- Fully adjustable, wide range of AC Frequency and AC Balance for welding on aluminum.
- Dual Voltage design allows you to carry the unit anywhere there is an outlet and weld. This is perfect for portable welding operations.
- Fully adjustable pulse parameters with up to 150Hz capability allows the user to improve weld appearance, control warping, and even focus the arc cone.
- 2T/4T control allows operation with torch switches freeing you of the need for a foot pedal in out-of-position welds.

Layout of the Panel Explained

LED Warning Center

After confirming the unit is on and ready for use, the unit is designed to sense and report any major problems. Whatever the issue, the LED will light and unit will indicate a code in the display and output will be interrupted until the issue is corrected.

Down Slope Function

0-25 Seconds. This feature is designed for exclusive use with the 2T and 4T functions with the torch switch. This controls the amount of time it takes to taper off the welding Amps when arc termination is desired.

Pre/Post Flow Function

0-10, 0-25 Seconds. This helps the user to protect the weld from oxidation immediately before and after the weld by providing an adjustable amount of gas flow time before or after the weld actually takes place.

Advanced Pulse Operation

0-150Hz. The advanced pulse controls put you completely in charge of all pulse features such as **pulse frequency, pulse amperage, and pulse balance**. The pulse allows you to reduce heat related warping and burn through or improve bead appearance.

2T/4T or Pedal Operation

When swapping processes, the unit will briefly remind you to change the torch and polarity so you won't forget.

AC/DC Selection

Select AC to weld Aluminum and Magnesium in TIG mode. Select DC for all other weldable metals.

Digital Display

Accurately select and know the Amperage. While welding the display displays actual welding Amperage.

Arc Force Control

0-100%. Change the arc characteristics while stick welding to provide a softer or more penetrating arc feel.

AC Frequency Control

20 to 250Hz. The adjustable frequency allows the user to improve arc focus and control heat spread while welding Aluminum.

AC Balance (Cleaning) Control

30 to 70%. Control etching and amount of AC positive input while welding aluminum. Less AC positive input means the weld will have less side etching and more penetration.

TIG Start Type or Stick Welding Selector

Select TIG with HF start (controlled by the torch switch or foot pedal), TIG with lift start (also controlled by the torch switch or foot pedal) or Stick welding output.

Welding Thickness Limits*:

*Welding thickness limits are typically described in single pass and multi-pass terms. Multiple pass welds on thicknesses 1/4" and over are typically prescribed as "best practice" welds, whereas a single pass weld, may not yield the best or strongest weld but is used to give a comparative idea of the machines capability. For maximum welding limits, you have to take into consideration the ultimate size of the weldment. Larger weldments will require more welding amperage to make the same weld as a smaller weldment because of heat dissipation capability.

Maximum Single Pass DC TIG Weld: 120V: 3/16", 240V: 5/16"

Maximum Multi-Pass DC TIG Weld: 120V: 5/16", 240V: 1/2"

Maximum Single Pass AC TIG Weld: 120V: 1/8", 240V: 5/16"

Maximum Multi-Pass AC TIG Weld: 120V: 1/4", 240V: 3/8"

Minimum Weld Thickness All Voltages: DC: .07", AC: .020"

Stick Weld Maximum Electrode Diameter: 120V: 3/32", 240V: 1/8"

NOTE: This Unit is not rated for use with E6010 Stick Electrodes.

Standard Equipment and Options

Standard Equipment:

- 12 ft (4m) 26 Series Air-Cooled Rigid neck (Straight Head) TIG Torch
- 200A Work Clamp and 10 ft (3m) Cable
- 250A Stick Electrode Holder 10 ft (3m) Cable
- Brass Billet Floating Ball Type Argon Regulator
- Plasma Cutter Air Regulator/Water Trap
- 240V to 120V Pigtail Power Adapter
- Starter Consumable Kit (No Tungsten)

Can this unit operate on a generator?

The small size and portability of the PowerTIG 200DV makes it a perfect candidate for use with a generator. We want you to get the best life and performance out of the unit while operating on a generator, so please follow these guidelines when choosing this welder and using your generator to match.

- The generator must be rated as "Clean Power Output", This means that it provides 5% or less Total Harmonic Distortion. The generator manufacturer determines this rating. Consult with them before your purchase.
- The generator must provide at least 8500 Surge Watts. Switch the welder off before powering down the generator. Do not run the generator out of fuel while the welder is switched on.
- Failure to do follow these recommendations may void the welder warranty.

Customer Favorite Options:

- PowerCool 375 Water Cooler: SKU# PCW-375-240
- NOVA Wireless Pedal: SKU# NVA-WL-FP200-EV07
- PowerCart 375: SKU# PC330-H
- NOVA Rotaflex Air-Cooled 26 Torch, 12.5 ft : SKU# NOVA-RF-26-25QD

Everlast makes every effort to ensure accuracy of stated specifications and kit contents at time of publication. However, due to continual our efforts to improve our products and offerings, stated specifications, accessory kit content or product appearance may change without notice. Any change in specification, kit contents, appearance, length, etc. can be verified by calling toll-free @ 877-755-9353. *In the event of these changes, Everlast will not be liable to provide product, kit contents, or accessories exactly as depicted or described in this publication.* Please review warranty details @ <https://www.everlastgenerators.com/standard-warranty>. The 5 year parts and labor warranty covers only the power source and does not cover accessories or consumables. While this publication may be used in multiple distribution markets, the 5 year warranty only applies to US products only. Canada and other countries maintain different warranty periods and policies. Consult directly with your country's distributor about your warranty details. Accessories, including all NOVA products are covered under a separate warranty. Consumables and consumable kits are not warrantied except against manufacturer defect. Since Everlast cannot know every situation and detail of customer's application, any statement of other warranty, expressed or implied, or statement concerning suitability of this product for a specific customer use or application is specifically disclaimed. The customer is responsible for ensuring safe and practical operation of the unit and is solely responsible for the proper use and application of this product and accessories.