

# PowerPro 205Si



Analog Input AC/DCTIG/Stick/Plasma



## Machine on a Mission.

- ▶ Carry this unit to where you need to weld or cut.
- ▶ TIG weld at 200A. Stick Weld at 160A. Cut at 50A.
- ▶ Take on more with 60% TIG/35% Stick and Plasma Duty Cycle.
- ▶ AC/DC TIG for welding all metals. Plasma for Cutting all metals.
- ▶ DC Stick for welding with most iron powder and titania flux rods.
- ▶ Switch quickly between torches with industry standard 35 Series adapters and quick detach gas coupling.

### Show up ready to work.

#### All you need in one unit

If you are in the portable welding business and are concerned about showing up with all the tools you need to get the welding job done, the PowerPro 205Si is built to help relieve that concern. The all-in-one multi-process design makes sure there isn't a metal you can't weld and a metal you can't cut when you arrive to the job. You'll instantly gain recognition and respect by your customer by coming to work ready to tackle anything your customer has for you to weld. The AC DC Pulse TIG function of this machine will weld virtually any metal with up to 200 amps of welding power. With a 5 Amp DC and a 20 Amp AC start, this unit can weld almost any common thin sheet metal gauge you'd run into as well. The DC stick function will not leave you without an alternative, if TIG isn't the best solution. Able to lay down beautiful welds with rods such as E7014 and E7018, it is a fabricator's dream. Of course, anything you weld, you will likely have to cut to fit as well, whether you are patching and repairing or building from scratch. The 50 amp plasma is more than capable of slicing through 1/2" thick plate metal, and in a pinch, a good bit thicker if you are patient. Rest assured, the multi-process PowerPro 205Si was designed with the portable repair or small fabrication business specifically in mind.

#### Perfect Size for the space you have.

The best option isn't always the most convenient option when it comes to welding. In a perfect world, you'd have a machine for each process on your truck or in your shop regardless of space or budget. Obviously, this isn't a perfect world. So, you have to make choices whether it is driven by budgetary concerns or space minded ones. With relatively compact dimensions, the PowerPro 205Si is a space and budget saver when it comes to having a machine at your disposal to deliver professional welding and cutting capability and results. The plasma cutter, while it isn't the primary function of the machine, fills most cutting needs, eliminating the need for purchasing and maintaining expensive cutting gases and torches. Admittedly, the design of having an "all-in-one" welder is not a novel one, but modern digitally controlled inverters deliver that concept in a compact package that fits in neatly with the space conscious welding operator may have to operate in and allows it to be picked up and carried to where it is needed. It also allows us to bundle different processes that would ordinarily require large separate units into one neat, tidy little package that hits all the marks for the budget minded buyer.



### Specifications

**Process:** AC/DC Pulse TIG/DC Stick/Plasma

**Input Amps:** I1MAX: 30A I1EFF: 24A

**OCV:** 70V (250V Plasma)

**Weight:** 28kg (62 lbs.)

**E6010/Cellulose (Stick):** Not capable

**Output:** TIG: 5 (20)-200A TIG/Stick: 5-160A/Plasma 20-50A

**Protection:** IP21S

**Fan Type:** Full Time, Single Fan

**Dimensions:** 25"Lx18"Hx10"W

**TIG Torch Type:** 26 Series 12.5ft (Air-cooled)

**Duty Cycle:** TIG: 60%@200; Stick/Plasma: 35%@ 160/50A

**Plasma Torch Type:** iPT 60 12.5ft. (non HF, Blow back Start

**Classification:** Portable/Fabrication/Prototyping

**Input Cable Length:** 6'

**DINSE Type/Size:** 35-50/70mm<sup>2</sup>

**Everlast Power Equipment**  
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South San Francisco, CA 94080

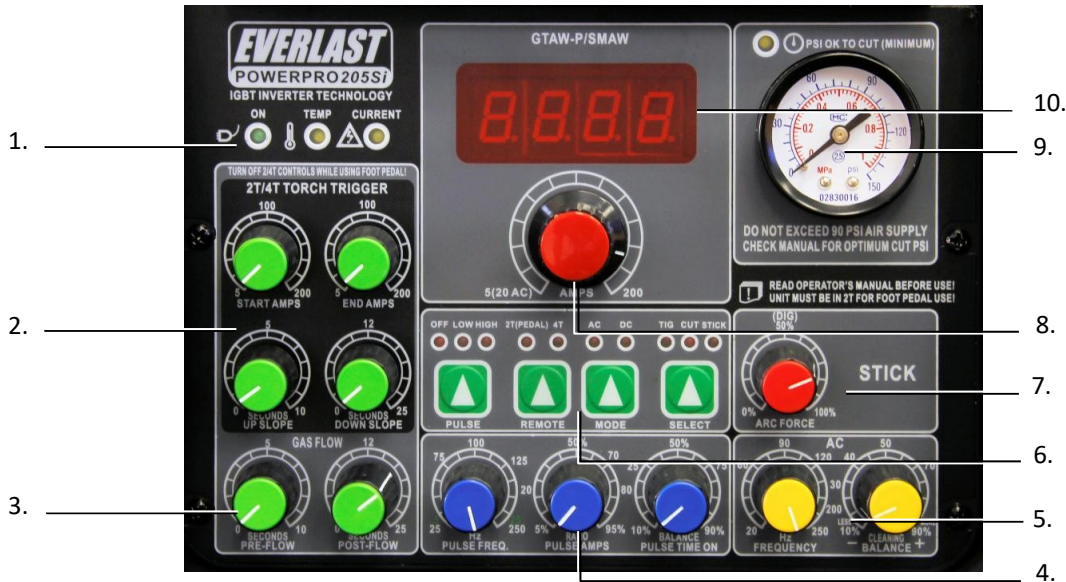
**1-877-755-9353**

[www.everlastwelders.com](http://www.everlastwelders.com)

All specifications, accessories and options are subject to change without notice.

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## Panel Configuration and Details



1. On/OverTemp/Over Current Indicator. On verifies that power has been successfully switched on. Over Temp. indicates the duty cycle has been exceeded. Over Current indicates a power fault.
2. 2T/4T Sequencer. This section is to be used primarily with the torch mounted switch (trigger) to manipulate and control the weld cycle without a foot pedal. It includes the ability to set and control Start Amps, End Amps (crater fill amps), Upslope Time, Downslope time.
3. Gas Flow Sequencer. Controls gas flow time for before and after the weld. Is used with 2T/4T or foot pedal.
4. Pulse Controls. Select and control the Frequency, Amperage and Balance of the Pulse when in TIG mode. The Pulse is used to control heat wicking, penetration, and warping of the metal.
5. AC Controls. Adjust the frequency of the AC cycling and the balance of Positive versus Negative polarity during the AC cycle. The Frequency helps control arc focus and directability while the balance controls the cleaning action while welding aluminum.
6. Process Selector. Select operation modes. Select from Pulse On/Off or low range frequency or high range frequency. Select 2T (or Pedal) or 4T torch operation. Select AC (Aluminum) or DC (all other metals). Or select process mode: TIG, Stick or Plasma (Cut).
7. Stick Arc Force. Use to change arc intensity and Amp reaction to closely held arcs.
8. Amp Control. Adjust main Amperage for all processes.
9. Air Pressure/OK to Cut light. This indicates air pressure while cutting. OK to Cut indicates minimum safe operating air pressure has been achieved. (approx. 40 psi)
10. Amp Display. Displays static (set) and dynamic (operating) amperage.

## Standard Equipment and Options



### Standard Kit:

- Stick Electrode Holder and 9 ft. Cable (DINSE 35 Type Adapter)
- Work Clamp and 9ft. Cable (DINSE 35 Type Adapter)
- iPT60 Innotec 60A Plasma torch with 12.5 ft Cable/Adapter.
- 26 Series Air-Cooled TIG torch and 12.5 ft Cable (DINSE 35 Type Adapter)
- Argon Regulator (Floating Ball type)
- Foot Pedal (Standard Type)
- Consumable Starter Kit
- Adjustable Air Regulator and filter for Plasma



### Customer Favorite Options:

- PowerCart 250 SKU/ # PC250-M
- NOVA 17 (air-cooled) Rotaflex TIG torch w/25 ft. Ultra-Flex Cable and DINSE 35 type adapter SKU/# NVA-RF-17-250-35QD
- NOVA 20 Rotaflex 20 (water-cooled) TIG torch with 25ft. Ultra-Flex Cable and DINSE type 35 adapter SKU/# NVA-RF-20-250-35QD
- PowerCool 300 Water Cooler SKU# PCW300-240
- Stubby Kit SKU/# E-WP17-26-18-SKT

**Everlast proudly offers optional accessories and products from NOVA Welding Industries.**



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