

PowerPro 256Si



Analog Input AC/DCTIG/Stick/Plasma



Weld. Cut. Carry.

- ▶ Carry to site to weld or cut. All in one package.
- ▶ TIG weld at 250A. Stick Weld at 200A. Cut at 60A.
- ▶ Take on more with 60% TIG/35% Stick and Plasma Duty Cycle.
- ▶ AC/DC TIG for welding all metals.
- ▶ DC Stick for welding with welding rods such as E7018/E7014.
- ▶ Switch over to Plasma quickly with quick disconnect gas line.



Simply packed with more.

Quick and on-the-spot.

Stressing about which welder you might need on a job, or is your space limited? The PowerPro 256Si can be used to suitably weld and cut it almost all metals. The AC/DC TIG mode includes a standard pulse feature which improves the control and all around welding capability of the unit by lowering the heat input while maintaining proper penetration, while preventing over-wetting of the weld, burn through and warping. The DC stick function allows you to swap over quickly when TIG is not the most practical welding solution. The stick function is suitable for most stick welding electrodes except cellulose types (E6010). The unit features arc force which improves stick weld results. Of course, what good is the ability to weld without being able to cut and shape what you weld? With the added ability of the plasma cutter function, the PowerPro 256Si is able to regularly cut metal up to 5/8" (and in a pinch a bit more if quality isn't top concern.) All you need to plasma cut in the shop or out in the field is a portable air compressor that is capable of 5.7 CFM (@90psi) or greater and at least a 25 gallon capacity.

Quality results.

While every user's results will vary according to skill, you can be assured that the PowerPro 256Si will deliver top quality welds and cuts within the capacity ratings of this unit. You'll never feel like you are bringing your second best effort with the capability of this unit because the PowerPro 256Si features top name components and a tried and proven digitally controlled design. Yes, that's what we said. Digital. While the machine features analog control knobs, the unit also features microprocessor control, which tightly manages and controls the unit's functions while simultaneously simplifying circuitry and improving reliability. This unit is specifically designed to meet gaps in the portable repair and maintenance industries where portability and performance are top concerns. It also excels at prototyping operations and suits many light to medium fabrication shop requirements delivering TIG beautiful welds down to 5 amps DC and 20 Amps AC output. However, if you are looking for an industrial, production machine, this unit is not designed to specifically meet those types of needs and is not recommended for those types of welding activities due to reduced productivity associated with torch and gas changeover requirements.

Specifications

Process: AC/DC Pulse TIG/DC Stick/Plasma
Input Amps: I1MAX: 40A I1EFF: 32A
OCV: 70V (250V Plasma)
Weight: 29.5kg (65 lbs.)
E6010/Cellulose (Stick): Not capable

Output: TIG: 5 (20)-250A TIG/Stick: 5-200A/Plasma 20-60A
Protection: IP21S
Fan Type: Full Time, Single Fan
Dimensions: 25"Lx18"Hx10"W
TIG Torch Type: 18 Series 12.5ft (Water-cooled)

Duty Cycle: TIG: 60% @ 200A; TIG/Plasma 35% @ 160/50A, 40°C
Plasma Torch Type: IPT 60 12.5ft. (non HF, Blowback type)
Classification: Portable/Fabrication/Factory Maintenance
Input Cable Length: 6'
DINSE Type/Size: 35-50/70mm²

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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.
- 18 Series Water-Cooled (Water Cooler Optional) 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 Rotaflex TIG torch w/25 ft. Ultra-Flex Cable and DINSE 35 SKU/ # NVA-RF17-250-35QD
- PowerCool 300 Water Cooler SKU/# PCW300-240
- Stubby Kit SKU/# E-WP17-26-18-SKT
- Nova Foot Pedal (long life) SKU/# EV-FP22NWI

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