

# INNOVATOR<sup>®</sup> 255i



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250 AMP AC/DC PULSE TIG , AND 250 AMP AC/DC STICK WELDER

Input Power: 100-265V±10% 50/60Hz 1 Phase Processes: Plasma, AC/DC TIG, STICK

Input Power: TIG: 5.2KW STICK: 6.4KW Max No Load Voltage: 66V

TIG Output: AC TIG: 10~250A DC TIG: 5~250A AC STICK: 10~250A DC STICK: 5~250A

Plasma: 20~40 A Duty Cycle (40 °C, 10min): TIG AC: 35% @ 250A Plasma: 40 A@ 100%

Clearance effect: 15%-50% TIG DC: 35% @ 250A Dimensions: 19.6in L x 10in H x 7.7in W

Weight: 60lbs down slope time: 0~10s Protection class: IP23S Insulation: F Warranty: 1 Year

## Introduction

LONGEVITY<sup>®</sup> has both hobbyists and the professional welders in mind with the INNOVATOR<sup>®</sup> 255i. This compact, versatile unit offers the user a vast array of controls to accurately set the welder to perform under a wide variety of situations including some fine aluminum welding. The INNOVATOR<sup>®</sup> 255i allows the welder to set features like AC frequency and balance control, pulse control, and both up and down slope control, effortlessly with our fully synergistic control panel.

## A. Quick Setup Connections

LONGEVITY<sup>®</sup> offers quick connection of your torches by using DINSE connectors giving the users total versatility due to it being compatible with most aftermarket torches. Setup time is also reduced due to the quick connect argon couplers.

## B. Advanced Pulse TIG Function

LONGEVITY has added pulse capabilities to the INNOVATOR<sup>®</sup> 255i for convenience of the user. Pulse welding helps with thin gauge metal along with heat sensitive metals. Pulse welding lowers average temperatures allowing the user to weld thin material focusing the arc and allowing for proper distribution of the heat. This feature also limits the arc cone diameter to a precise area which provides control of the arc.

## C. Digital Amp and Volt Meter

By using digital meters, LONGEVITY gives the operator instantaneous outputs which are easily read while welding. This allows the user to dial-in their favorite settings accurately, again, and again!

The Power to Last!

1 YEAR  
WARRANTY



## D. Efficient IGBT Inverter Technology

With inverter IGBT technology, LONGEVITY has once again revolutionized the industry by producing a portable, yet powerful machine that can be operated with a generator, perfect for the ON-THE-GO welding. Inverter technology emphasizes portability, yet the efficiency and reliability of the Soft Switching IGBT components allows for the ultimate welding experience.

**LONGEVITY**  
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[www.longevity-inc.com](http://www.longevity-inc.com)

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## E. High Frequency 40 AMP Plasma Cutter

The INNOVATOR<sup>®</sup> 255i uses the tried and true method of high frequency to start the pilot arc. high frequency is quicker and more reliable than other methods used. High frequency allows for non-contact starting.

## F. High Frequency or Lift Arc start

The INNOVATOR<sup>®</sup> 255i is safe to operate near hospitals or any other area where high frequency interference may cause issues. The INNOVATOR<sup>®</sup> 255i offers the ability to start the arc with lift start which is also ideal to use around electronic devices which may be sensitive to high frequency interference.

## G. Thermal Overload Protection

If you are welding for a long period of time and your duty cycle limit is reached, LONGEVITY's thermal overload protection will kick on safely shutting down your machine for proper cooling avoiding any damage. Once it cools, you will be able to weld again!

## H. 2T/4T Operation

The LONGEVITY<sup>®</sup> INNOVATOR<sup>®</sup> 255i allows excellent control whether you are using a TIG torch, the panel or the hand switch control. With the 2T/4T function you can control your arc to the next level. Depending on switch position, the switch will allow the welder to not have to hold the trigger to continue welding easing welding for long period of time.



## I. Power Factor Correction (PFC)

With the INNOVATOR<sup>®</sup> 255i, you are able to easily switch over from either 220v or 110v. With our newer model design, simply plug the 110v attachment to the existing power cord and weld away anywhere, anytime.

## J. Synergistic

The key feature of the control panel is the logical way in which the controls are arranged all the parameters needed for day to day welding can easily be selected. The INNOVATOR<sup>®</sup> 255i is one of the more versatile welders on the market and it is backed by LONGEVITY's industry leading warranty!

### INCLUDED:



Plasma Cutting Torch    Ground Clamp    200 Amp Stinger    TIG AMP Adjust WP-26 Torch



Foot Pedal    Gas Hose    110/220V Adapter    Argon Regulator    Tig Torch Parts

### OPTIONAL EQUIPMENT:

#### Auto-Dark Helmet

- PowerView Elite
- Elite Series
- Pro Series



#### Consumables

- Tungsten
- Filler Rods
- Nozzles, Collets
- Collet bodies
- Stick Electrodes



#### Welding Cart Water Cooler



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