

# PowerTIG 315LX

## GTAW-P/ SMAW



### A new standard for affordable performance.

In the latest generation of the PowerTIG 315 LX the welder now features Digital control to further improve its already rock solid reputation for reliability by simplifying internal circuitry.

The latest incarnation of the PowerTIG 315LX still includes what you've come to expect from Everast PowerTIG welders: Analog input, heavy-duty IGBT power modules, improved High Frequency components, and a protected user panel. And don't forget the extra power to muscle through heavy duty aluminum welding jobs.

The user panel has been re-designed for intuitive setup and use. The control layout has been completely reworked for a better user experience as well. Regardless of the changes, the unit continues to set the mark for affordable performance with a high duty cycle, and a full compliment of useable features that aren't full of fluff. With the improvements, the PowerTIG 315LX still remains the feature and price leader in the industry, and that's not going to change anytime soon.

## FEATURES THAT MAKE SENSE.

### Features that have a purpose

- Name-brand IGBT Power Modules improve reliability and serviceability over individual IGBT design.
- Redesigned user control panel has been color coded and arranged for convenience.
- Improved, redesigned chassis to help protect welder from damage.
- Heavy Duty High Frequency control components for improved arc starting and reduced maintenance.
- Analog input with Digital control improves accuracy while simplifying internal design for improved reliability.
- No hidden menus or controls. Everything is viewable and adjustable without having to go through complicated adjustment procedures.
- Built-in 240V receptacle designed for operation with optional 240V Everlast PowerCool 300 water cooler.

### Features that perform

- Extended AC balance control offers more control over cleaning and penetration.
- 20-500 Hz of AC Frequency control improves arc focus and control while welding aluminum.

- HF Start or Lift Start allows the user to weld in a variety of environments. Lift start allows the unit to be used in sensitive electronic environments such as hospitals.
- Fully adjustable pulse up to 750 Hz in AC and DC modes.
- 2T/4T control allows use of remote torch switch or torch amptrol when using a foot pedal isn't practical.
- Preflow/Post-flow time is fully adjustable for maximum shielding before and after the weld.
- Stick with adjustable arc force control (DIG) improves arc performance and spatter control.
- Auto-adaptive hot start feature for stick improves arc initiation, reducing electrode sticking.

### Features that stand out

- Easy to grasp knobs allow the unit to be adjusted while wearing welding gloves.
- Industrial 60% duty cycle in TIG mode on single phase 240V at maximum operating Amps.
- Digital display displays maximum preset amperage and changes to display actual output while welding.
- Welding package includes torches, and regulator.

## POWER SPECIFICATIONS

**PROCESS:** GTAW-P, SMAW  
**INPUT:** 220-240V 1 Phase, 50/60Hz  
**TIG OUTPUT:** DC: 10-315A, AC: 20-315A  
**STICK OUTPUT:** 20-315A  
**TIG OCV:** 70V

**MAX INRUSH CURRENT:** 53A  
**DUTY CYCLE TIG:** 60% @ 315A, 100% @ 250A  
**DUTY CYCLE STICK:** 35% @ 250A, 60% @ 200A, 100% @ 160A  
**INVERTER TYPE:** IGBT module construction  
**STICK OCV:** 70V

**DIMENSIONS:** 11.5"Wx25"Lx25"H  
**WEIGHT:** 84 lbs., unit only  
**PROTECTION CLASS:** IP21S  
**INSULATION GRADE:** F  
**VRD:** NONE



### 1-877-755-9353

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329 Littlefield Ave. South San Francisco, CA 94080

# PowerTIG 315LX

# GTAW-P/ SMAW



12.5 ft Everlast 18 Series Water-Cooled TIG Torch

300 Amp Work Clamp Cable Assembly 10ft.

300 Amp Stick Electrode Holder 10ft.

Everlast Argon/Argon/CO2 Regulator

Everlast Foot Pedal

TIG Consumable Starter Kit

Actual appearance and quantity of accessories may vary.



### Performance Specifications:

AC Frequency	20-500Hz
AC Balance	10-90% of EP
DC Pulse Frequency	.2-750Hz
AC Pulse Frequency	.2-750Hz
Pulse Time On Balance	10-90%
Pulse Amps Ratio AC/DC	10-315A /20-315A
Minimum DC Start	10 Amps (±2 A)
Minimum AC Start	20 Amps (±2 A)
Preflow Time	0-10 Seconds
Postflow Time	0-30 Seconds
Up Slope Time	0-15 Seconds
Down Slope Time	0-30 Seconds
Start Amps	Fixed at Minimum
End amps	Fixed at Minimum
Stick Arc Force Control	0-100%
Stick Hot Start Time	Auto-adaptive
Stick Hot Start Intensity	Fixed
2T/4T Control	Yes
Wave Form	Adv. Square Wave (Standard, Fixed)

### Safety/ Unit Protection Features:

Over Temperature Warning	Yes
Over Current Warning	Yes
Switch	Breaker Type



### RECOMMENDED OPTIONS



SKU # PCW300-240  
Everlast PowerCool 300 Water Cooler for up to 350 Amps of Power. Includes Quick Connects for Torch.



SKU # PC250-M  
Everlast PowerCard Roll Around Cart with gas cylinder space and lower water cooler berth.



SKU # EV-FP22NW1  
NOVA long life potentiometer foot pedal to fit Everlast PowerTIG inverter welders.

All specifications subject to change without notice.



All Everlast PowerTIG welders are covered by a 5 year parts and labor warranty. Included accessories are covered under a separate 6 month warranty.



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