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**

<table>
<thead>
<tr>
<th>PROCESS: GTAW-P, SMAW</th>
<th>MAX INRUSH CURRENT: 53A</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPUT: 220-240V 1 Phase, 50/60Hz</td>
<td>DUTY CYCLE TIG: 60% @ 315A, 100%@250A</td>
</tr>
<tr>
<td>TIG OUTPUT: DC: 10-315A, AC: 20-315A</td>
<td>DUTY CYCLE STICK: 35%@250A, 60%@200A, 100%@160A</td>
</tr>
<tr>
<td>STICK OUTPUT: 20-315A</td>
<td>INVERTER TYPE: IGBT module construction</td>
</tr>
<tr>
<td>TIG OCV: 70V</td>
<td>STICK OCV: 70V</td>
</tr>
</tbody>
</table>

**DIMENSIONS:** 51.5”Wx25”Lx25”H
**WEIGHT:** 84 lbs., unit only
**PROTECTION CLASS:** IP21S
**INSULATION GRADE:** F
**VRD:** NONE

---

**ORDER PUBLICATION:** 20068-a JUNE '17

**EVERLASTWELDERS.COM**

1-877-755-9353
329 Littlefield Ave. South San Francisco, CA 94080

**EVERLAST**

IGBT INVERTER TECHNOLOGY
**PowerTIG 315LX**

**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

All specifications subject to change without notice.

---

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

1-877-755-9353

everlastwelders.com

329 Littlefield Ave. South San Francisco, CA 94080