

PowerTIG 315LX

GTAW-P/ SMAW



Proven, affordable performance is here.

For true industrial welding applications, take a look at the PowerTIG 315 LX. The heavy duty design of the PowerTIG 315LX is designed for serious use in shipyards, factories, and just about anywhere real production capability is needed. The 3 phase power requirement spells out the intended use of this machine. With up to 315 amps of TIG welding power the unit has the muscle to weld thick aluminum or steel plating without a lot of trouble. The high AC frequency of up to 500 Hz makes this unit ideal for all sorts of commercial aluminum welding. The high pulse frequency is higher than any other welder in the Everlast lineup. It's perfect for any metal, stainless or chrome moly applications requiring fine heat control to prevent warping or creating too large of a HAZ. Whatever your commercial or industrial application is, the PowerTIG 315 is ready to go to work.

FEATURES THAT MAKE SENSE.

Features that have a purpose

- Infineon IGBT Power Modules improve reliability and serviceability over individual IGBT design.
- User control panel has is color coded and arranged for convenience.
- Plastic panels with lift handles make the welder easier and safer to carry and port around.
- Heavy Duty High Frequency control components for improved arc starting and reduced maintenance.
- Standard DINSE 70 style power connectors for industry cross compatibility of torches and fittings.
- 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 Everlast 240V PowerCool 300 water cooler.

Features that perform

- Generous AC balance control offers more control over cleaning and penetration.
- Wide range of AC Frequency control improves arc

focus and control while welding aluminum.

- Lift start feature for operation in welding environments where HF use is restricted or unwanted.
- Fully adjustable pulse up to 750 Hz in AC and DC modes.
- 2T/4T control allows use of remote torch switch or torch ampctrl 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

- Quick gas connect makes torch connection easy.
- Industrial 60% duty cycle in TIG mode on three 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 3 Phase, 50/60Hz (opt. 480V)

TIG OUTPUT: DC:10-315A/10.4-22.6V AC: 20-315A/10.8-22.6V

STICK OUTPUT: 20-250A , 20.8-30V

TIG OCV: 70V

MAX CURRENT: 32.8A

DUTY CYCLE TIG: 60%@315A, 100%@250A

DUTY CYCLE STICK: 35%@250A, 60%@200A, 100%@160A

INVERTER TYPE: Infineon IGBT module construction

STICK OCV: 70V

DIMENSIONS: 11"Wx24"Lx24"H

WEIGHT: 95 lbs (approx. unit)

PROTECTION CLASS: IP21S

INSULATION GRADE: F

VRD: NONE



1-877-755-9353

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everlastwelders.com

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12.5 ft Everlast 18 Series Water-Cooled TIG Torch

Heavy Duty 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	.5-750Hz
AC Pulse Frequency	.5-750Hz
Pulse Time On Balance	10-90%
Pulse Amps	10-315
Minimum DC Start	10 Amps (±2 A)
Minimum AC Start	30 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
End amps	Fixed
Stick Arc Force Control	0-100%
Stick Hot Start Time	Auto-adaptive
Stick Hot Start Intensity	Fixed
2T/4T Control	Yes

Safety/ Unit Protection Features:

Over Temperature Warning	Yes
Over Current Warning	Yes
Switch	Breaker Type



RECOMMENDED OPTIONS



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



SKU # PCT-250
Everlast PowerCart Roll Around Cart with gas cylinder space and lower water cooler berth.



SKU # 47k-SSCFP
US made 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.



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