

# PowerTIG 325EXT

**GTAW-P/ SMAW**

## Proven, powerful performance is here.

The PowerTIG 325 EXT is the ultimate 300 amp class TIG/Stick welding machine. The long list of features almost hides the fact that this unit is meant for serious welding. The welder features heavy duty Infineon IGBT modules and Infineon microprocessor to manage all of the welding parameters and output. It's an advanced unit with enough features to tackle almost any job you can think of. But for those who aren't advanced in skill, or are needing to make a quick repair or two, without having to go through a complicated setup process, the unit features an easy start up mode for AC and DC modes.

Wave forms, Advanced AC pulse, AC frequency and AC balance control pair up to be an unbeatable team of features while welding aluminum. The Advanced pulse itself yields jaw dropping results due to its ability to get extreme penetration. But it can't stand alone as a sole feature because everything in the PowerTIG 325EXT is designed for performance.

## FEATURES THAT MAKE SENSE.

### Features that have a purpose

- Reliable name-brand IGBT modules offer excellent performance and serviceability in a compact TIG.
- Microprocessor control provides precise digital control over AC/DC welding functions.
- NEW!** Solid state HF starting eliminates maintenance issues and improves starting.
- Standard DINSE 35 style power connectors for industry cross compatibility of torches and fittings.
- Easy to navigate panel reduces setup time without having to access hidden menus.
- NEW!** Adjustable Stick parameters\* allow use with E6013, E6011, E 7018 and other electrodes up to 7/32".
- 9 Programmable channels allow user to save favorite settings in TIG and Stick modes.
- NEW!** Self diagnostic feature helps protect against unit and automatically diagnosis certain faults.
- Greatly simplified and componentized design improves reliability and serviceability.

### Features that perform

- Fully adjustable pulse up to 500Hz DC and 250Hz AC con-

trols heat and focuses arc.

- AC advanced pulse to 10 Hz controls heat on thin metal, and increases penetration on thicker metals.
- 4 AC wave forms to choose from to maximize aluminum welding performance.
- Lift start feature for operation in welding environments where HF use is restricted or unwanted.
- Use with the remote torch switch or items such as a torch amptrol or foot pedal in 2T/4T/Pedal modes..
- Fully adjustable Pre/Post flow, Start/End Amps, Up/Down Slope for complete arc control.
- VRD mode to reduce chance of shock in stick mode.

### Features that stand out

- Industrial 1 and 3 phase 240V operation.
- Digital display displays maximum preset amperage and changes to display actual output while welding.
- Welding package includes torches, and regulator.
- Low as 3 amp start for special applications.
- Easy Start up mode for AC and DC modes allows users to start welding right away.

\*Not suitable for use with E6010.

## POWER SPECIFICATIONS

**PROCESS:** GTAW-P, SMAW AC/DC  
**INPUT:** 240V 1and 3 Phase, 50/60Hz (480V optional)  
**TIG OUTPUT:** DC: 5-325A AC: 10-325A  
**DUTY CYCLE STICK:** 35% @ 250A,  
**TIG OCV:** 70V

**MAX CURRENT:** 45A 1ph/23A 3phA  
**DUTY CYCLE TIG:** 35% @ 325A  
**STICK OUTPUT:** 20-225A  
**INVERTER TYPE:** IGBT Power Module  
**STICK OCV:** 70V

**DIMENSIONS:** 9"Wx21"Lx17"H  
**WEIGHT:** 62 lbs., unit only  
**PROTECTION CLASS:** IP21S  
**INSULATION GRADE:** F  
**VRD:** <24V

**1-877-755-9353**

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[everlastwelders.com](http://everlastwelders.com)

329 Littlefield Ave. South San Francisco, CA 94080

**PowerTIG 325EXT****GTAW-P/ SMAW**

12.5 ft Everlast 9 and 20 Series TIG torch



300 Amp Work Clamp Cable Assembly 10ft.



300 Amp Stick Electrode Holder 10ft.



Everlast Argon/Argon/CO2 Regulator

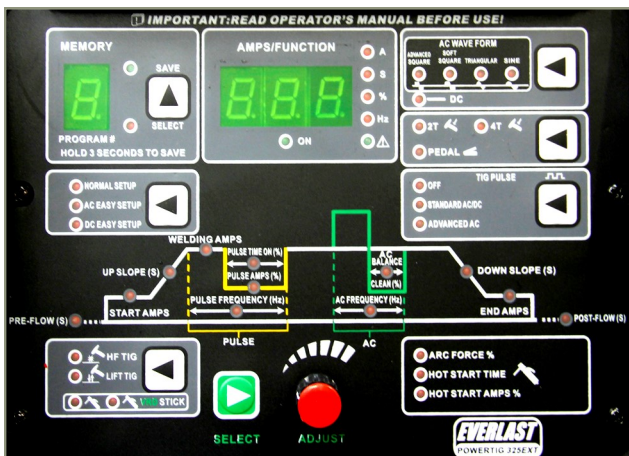


Everlast Foot Pedal



TIG Consumable Starter Kit

Actual appearance and quantity of accessories may vary.

**Performance Specifications:**

AC Balance:	5-90%
AC Frequency	20-250Hz
DC Pulse Frequency	.1-500Hz
AC Pulse Frequency	.1-250Hz
AC Advanced Pulse Frequency	.1-10Hz
Pulse Time On Balance	5-100%
Pulse Amps Ratio	5-95%
Minimum DC Start	3 Amps
Minimum AC Start	5 Amps
Preflow Time	0-25 Seconds
Postflow Time	0-50 Seconds
Up Slope Time	0-25 Seconds
Down Slope Time	0-25 Seconds
Start Amps	5A-325A (10-325A, AC)
End amps	5A-325A (10-325A, AC)
Stick Arc Force Control	0-100%
Stick Hot Start Time	0-2.5 Seconds
Stick Hot Start Intensity	0-100%
2T/4T Control	Yes w/ Switch
HF Start	Yes,
Lift Start	Yes
Memory	9 programs
Wave Forms	Adv. Square, Triangular, Soft Square, Sine

**Safety/ Unit Protection Features:**

Over Temperature Warning	Yes
Over Current Warning	Yes
Switch	Breaker Type
Self Diagnostic	Yes
Voltage Reduction Device	Yes, 24V

**RECOMMENDED OPTIONS**

SKU # PCW-300-240V  
PowerCool 300 water cooler for use with water cooled torches and welders up to 350 amps.



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



SKU # EV22FPSSC  
US made foot pedal to fit Everlast PowerTIG inverter welders



All Everlast PowerTIG welders are covered by a 5 year parts and labor warranty.

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