

PowerTIG 255EXT

GTAW-P/ SMAW

**CC****IGBT****AC/DC****PULSE****HIGH OUTPUT**

5
YEAR WARRANTY

DIGITAL

Proven, affordable performance is here.

Powered by rugged Infineon IGBT power modules, the PowerTIG 255EXT sets the bar pretty high for performance, features and raw welding power. There are several things that set the new digital welder apart from other TIG welders in the industry. One of the biggest features is the advanced AC pulse mode which allows this unit to perform beyond any other 250 amp welder on the market. In this mode, the welder not only can manage extremely thin aluminum sheeting, but it also can provide enough penetration to fully weld over 1/2" thick in a single pass. No this isn't bragging. It's the way the welder is designed to provide both AC current for cleaning, and DC current for penetration while welding aluminum. This pulsing between the two gives the unit incredible penetration.

Another feature that draws attention is the easy start up mode which allows professionals and students alike to start welding quickly in a "safe" mode that will create good results.

FEATURES THAT MAKE SENSE.

Features that have a purpose

- Reliable Infineon IGBT modules offer excellent performance and serviceability in a compact TIG.
- Infineon Microprocessor control provides precise digital control over AC/DC welding functions.
- **NEW!** Solid state HF starting eliminates maintenance issues and improves starting.
- Standard DINSE 50 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 E 6010, E 7018 and other electrodes up to 3/16".
- 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 controls heat and focuses arc.

- AC advanced pulse to 10 Hz controls heat on thin metal, and increases penetration on thicker metals.
- 3 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 60% duty cycle in TIG mode operating on single phase 240V at maximum Amps.
- 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.

POWER SPECIFICATIONS

PROCESS: GTAW-P, SMAW AC/DC
INPUT: 240V 1 and 3 Phase, 50/60Hz
TIG OUTPUT: DC: 3-250A/10.1-20V AC: 5-250A/10.2-20V
DUTY CYCLE STICK: 60%@225A, 100%@/175A
TIG OCV: 80V

MAX CURRENT: 33.6A 1 Phase / 27A 3 Phase
DUTY CYCLE TIG: 60%@250A, 100%@200A
STICK OUTPUT: 20-225A. 20.8-29V
INVERTER TYPE: Infineon IGBT PowerModule
STICK OCV: 80V

DIMENSIONS: 9"Wx21"Lx17"H
WEIGHT: 60 lbs., unit only
PROTECTION CLASS: IP21S
INSULATION GRADE: F
VRD: <20V

**1-877-755-9353**

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everlastwelders.com

329 Littlefield Ave. South San Francisco, CA 94080

PowerTIG 255EXT

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

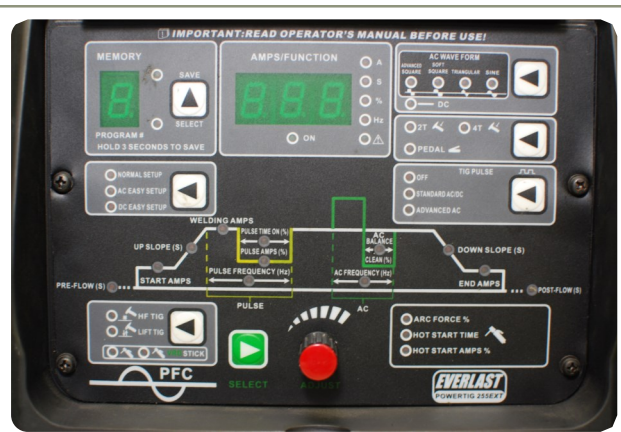


Everlast Foot Pedal



TIG Consumable Starter Kit

Actual appearance and quantity of accessories may vary.



Performance Specifications:

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-200A
End amps	3A-200A
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/ amptrol
HF Start	Solid State
Lift Start	Yes
Memory	9 programs
PFC	99%
Wave Forms	Adv. Square, Triangular, Soft Square, Sine
Easy Start Up Mode	Yes in AC/DC TIG

Safety/ Unit Protection Features:

Over Temperature Warning	Yes
Over Current Warning	Yes
Switch	Breaker Type
Self Diagnostic	Yes

RECOMMENDED OPTIONS



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



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



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