

PowerTIG 250EX

GTAW-P/ SMAW

Proven, affordable performance is here.

Now in its fourth generation, the PowerTIG 250EX is a proven inverter welder known for its smooth, stable arc. In fact, the PowerTIG welders are found in service all over the world in almost any environment imaginable.

The latest PowerTIG 250EX has been refined to include heavier Infineon IGBT power modules, improved High Frequency components, and a completely new panel designed for rugged service. The control layout has been completely reworked for a better user experience as well. The one feature that has stayed the same is its affordability. The PowerTIG series still remains the price leader in the industry, and that's not going to change.

FEATURES THAT MAKE SENSE.

Features that have a purpose

- Infineon IGBT Power Modules improve reliability and serviceability over individual IGBT design.
- **NEW!** Redesigned user control panel has been color coded and arranged for convenience.
- **NEW!** Improved, redesigned plastic panels to help protect welder from damage.
- Heavy Duty High Frequency control components for improved arc starting and reduced maintenance.
- Standard DINSE 50 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 240V Everlast PowerCool 300 water cooler.

Features that perform

- Extended 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 500 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

- Spot weld feature allows TIG welds to be perfectly timed for spot welding or tacking
- 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 1/3 Phase, 50/60Hz
TIG OUTPUT: 5-250A, 10.2-20V
STICK OUTPUT: 5-200A, 20.2-28V
TIG OCV: 70V

MAX CURRENT: 45A, 1 Phase; 26A, 3 Phase
DUTY CYCLE TIG: 60% @ 250A, 100% @ 200A
DUTY CYCLE STICK: 35% @ 200A, 60% @ 160A, 100% @ 135A
INVERTER TYPE: Infineon IGBT module construction
STICK OCV: 70V

DIMENSIONS: 9"Wx24"Lx17"H
WEIGHT: 65 lbs., unit only
PROTECTION CLASS: IP21S
INSULATION GRADE: F
VRD: NONE

**1-877-755-9353**

ORDER PUBLICATION: 20026 DEC. 2013

everlastwelders.com

329 Littlefield Ave. South San Francisco, CA 94080

PowerTIG 250EX**GTAW-P/ SMAW**12.5 ft Everlast 18 Series
Water-Cooled TIG Torch300 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	20-250Hz
AC Balance	10-90% of EP
DC Pulse Frequency	.5-500Hz
AC Pulse Frequency	.5-500Hz
Pulse Time On Balance	10-90%
Pulse Amps Ratio	5-95%
Minimum DC Start	5 Amps (± 2 A)
Minimum AC Start	5 Amps (± 2 A)
Preflow Time	0-10 Seconds
Postflow Time	0-25 Seconds
Up Slope Time	0-10 Seconds
Down Slope Time	0-25 Seconds
Start Amps	5-250 Amps
End amps	5-250 Amps
Spot Weld Time	0-10 Seconds
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

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.



1-877-755-9353

329 Littlefield Ave. South San Francisco, CA 94080

everlastwelders.com