

PowerTig 250 EX

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

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

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: IGBT module construction

DIMENSIONS: 9"Wx24"Lx17"H
WEIGHT: 65 lbs., unit only
PROTECTION CLASS: IP21S
INSULATION GRADE: F



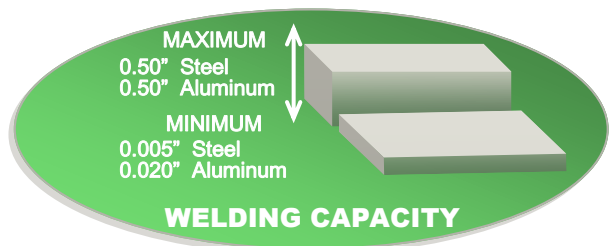
SUITABLE FOR:

- ⇒ Industrial
- ⇒ Pipeline
- ⇒ Construction
- ⇒ Fabrication
- ⇒ Farm
- ⇒ Motorsports
- ⇒ Maintenance
- ⇒ Home Shop

Since the introduction of the Everlast PowerTig series, the PowerTig 250 EX has built its reputation as a capable and highly competitive TIG and Stick welder. With power to spare, the PowerTig 250 EX handles tough jobs with relative ease. Owners, both professionals and enthusiasts alike, have been surprised by the high quality welds that the compact inverter welder from Everlast yields.

Whether its welding stainless steel or aluminum, the highly stable arc has been a point of common interest and agreement among users. The IGBT modules reliably deliver smooth, constant power to the weld for optimum stability.

With features like pulse, AC frequency and balance control, slope control, and start and end current control, weld parameters can be easily adjusted to match any welding requirement. When it comes to range of control and adjustability, the 250 EX is outstanding in its field.



Features that make sense:

Versatile pulse TIG function

Pulse aids in welding thin and heat sensitive metals by lowering average heat input while retaining good fusion of metals. It improves arc focus and final weld quality for great looking, high quality welds. High frequency pulsing is excellent for welding corners where edge definition is critical or where automated welding is required.

Square-wave AC

Eliminates the need for High Frequency current overlay to stabilize the arc and offers excellent arc control by permitting the use of sharpened tungsten. While in the AC mode, the extended frequency range and variable balance control permit the use of rare earth tungsten electrodes.

Easy menu-free, color-coded adjustment

Allows you to see all the parameters at a glance, and make fast readjustment for production environments. Large, easy-to-grasp knobs are simple to use, even through thick gloves, making rapid changes to welding parameters seem second nature.

Power conserving IGBT inverter platform

Light weight energy efficient design offers the ultimate in portability and allows the welder to be run from clean power generators. IGBT modules and soft switching technology improve inverter reliability and performance.

Quick attachment of cables and lines

DINSE 50 style connectors makes any Everlast welder compatible with almost any aftermarket style torch. The quick connect argon coupling reduces setup time.

Industrial duty cycle

The high velocity fan and internal tunnel design of the Everlast PowerTig 250EX aids cooling to offer a full 60% duty cycle in TIG mode to make it perfect for industrial and fabrication applications.

2T/4T or foot pedal operation

When a foot pedal isn't practical, you have the option of full panel programming which gives fine control of the start current, upslope, down slope, end current, pre- and post-flow gas.

GTAW-P SMAW

PowerTig 250 EX

Included Accessories*



12 ft. Water Cooled
WP-18 Torch



300 Amp Work Clamp
Cable Assembly



300 Amp Holder
Cable Assembly



Foot Pedal Assembly



Consumable
Kit



Argon Regulator

Up Close:

Digital amp meter helps the operator to precisely set amps and monitor actual amp output while welding TIG or Stick.

Thermal overload protection warns when the duty cycle has been exceeded and interrupts welding until the welder has safely cooled.

Arc force control automatically compensates for arc length and improves welding performance in out of position welds while stick welding.

Adjustable spot weld timer energizes the arc for a preset time to make perfect spot welds every time whether with a manual torch or spot tongs.

Pulse adjustments give the operator complete adjustment of the pulse cycle, eliminating frustrating pulse performance issues experienced with other manufacturer's pulse TIG products.

High frequency or lift arc start improves versatility by allowing the unit to be operated in presence of sensitive electronic equipment.

AC balance control and AC frequency control deliver maximum control when welding aluminum by offering wide parameter adjustment.

Full Panel Control puts the operator fully in charge over the welding cycle without the use of the foot pedal to allow maximum flexibility in hard to reach areas or when precise amperage control is demanded.



Control Specifications:

AMPS

Amps	5-250
Start Amps	5-100
End Amps	5-100
Arc Force	0-100%

GAS

Pre-Gas Flow	0-10 Seconds
Post Gas Flow	0-25 Seconds

PANEL 2T/4T

Up Slope	0-10 Seconds
Down Slope	0-10 Seconds
Spot Timer	0-10 Seconds

AC

AC Frequency	20-250 Hertz
AC Balance	10-90%

PULSE

Pulse Frequency	.2-500 Hertz
Pulse Amps Ratio	5-95%

Optional Equipment:**

Water Cooler

- PowerCool 300



Auto-Dark Helmet

- Strong Man
- Fabricator
- Defender



TIG Torch

- WP-18 (25 ft)
- WP-26 (12/25 ft)
- WP-20 (12/25 ft)



Cart

- 3 tier shelf
- Heavy Casters
- Thick gauge steel
- Hose hooks



GTAW-P SMAW

*Actual appearance of accessories may vary.

** Optional Equipment subject to change.

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