PowerTIG 255EXT

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.
- Heavy-Duty HF start design reduces maintenance issues and improves starting.
- NEW! Spot-Weld Timer allows user to make perfect tack welds and short seams.
- Easy to navigate panel reduces setup time without having to access hidden menus.
- 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.
- Self diagnostic feature helps protect against unit and automatically diagnose 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.
- 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 with the torch switch.
- VRD mode for improved operating safety 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 operation 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: 120/240V, 1 Phase 50/60Hz
- TIG OUTPUT 120/240V: DC: 3–125/250A; AC: 5–150/250A
- DUTY CYCLE STICK 120/240V: 60% @ 120/225A
- TIG OCV: 70V
- MAX CURRENT 120/240V: 36/34A
- DUTY CYCLE TIG 120/240V: 60% @ 130/250A
- STICK OUTPUT 120/240V: 20–120/225A
- INVERTER TYPE: IGBT Power Module
- STICK OCV: 70V
- DIMENSIONS: 9”xWx21”Lx17”H
- WEIGHT: 64 lbs., unit only
- PROTECTION CLASS: IP21S
- INSULATION GRADE: F
- VRD: <24V

1-877-755-9353

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Performance Specifications:

- **AC Frequency**: 20-250Hz
- **AC Balance**: 5-90%
- **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-250A
- **End Amps**: 3A-250A
- **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**: 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
- **VRD**: Yes, <24V

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