

PowerARC 280STH

SMAW/GTAW-P (DC)



Finally, an affordable pro stick welder is here.

The PowerARC 280STH is a professional-minded inverter welder that is capable of providing all the amperage you need to weld up to 250A Stick and 280A TIG. This unit is designed to handle any welding rod you have in your hot box: E6010, E6010 5P+, E7018, 309L, and more. This unit has two separate settings for Stick. One for cellulose type rods like E6010, and another setting for everything else. This allows the unit to provide the forceful, driving arc needed for penetration with E6010 type rods, while providing a smooth, spatter free weld with other classes of rods. The PowerARC 280STH features Hot Start Time and Intensity control for smooth, easy starts. Arc force (Dig) control is also included and can be adjusted to suit the operator's welding habits. To round off the unit as a true work-place machine, the unit features VRD for safety if required.

The DC TIG function features Pulse capability up to 250Hz and offers full foot pedal function along with 2T and 4T torch switch sequencer functions. The operator may select from HF or Lift TIG start.

FEATURES THAT MAKE SENSE.

Features that have a purpose

- Reliable name-brand IGBT components offer excellent performance and serviceability in a compact TIG.
- Microprocessor control provides precise digital control over DC welding functions.
- HF starting or Lift TIG starting provided.
- 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.
- E6010/Standard Stick feature allow user to set the welder for ideal arc behavior for the rod being used.
- Adjustable Hot Start/Intensity helps prevent rod sticking
- Self diagnostic feature helps protect unit and automatically diagnosis certain faults.
- Greatly simplified and componentized design improves reliability and serviceability.

Features that perform

- Fully adjustable DC pulse up to 250 Hz controls heat on

almost any metal.

- Arc Force control improves arc stability and control in short arc situations.
- Voltage Reduction Device (VRD) reduces OCV for a safer stick welding environment.
- 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.
- Fully adjustable Pre/Post flow, Start/End Amps, Up/Down Slope for complete arc control in TIG mode.

Features that stand out

- 35% duty cycle in TIG mode at the maximum output.
- 35% duty cycle in Stick mode at the maximum output.
- Digital display displays maximum preset amperage and changes to display actual output while welding.
- Welding package includes torches, and regulator.
- Low as 5 Amp DC TIG Start for excellent control on thin metals while TIG welding.

POWER SPECIFICATIONS

PROCESS: DC GTAW-P, SMAW
INPUT: 240V 1 / 3 Phase, 50/60Hz
TIG OUTPUT: DC: 5-280A/10.2-21.2V
DUTY CYCLE STICK: 35% @ 250A
TIG OCV: 70V

MAX CURRENT: 30A
DUTY CYCLE TIG: 35% @ 280A
STICK OUTPUT: 20-250A, 20.8-30V
INVERTER TYPE: IGBT
STICK OCV: 70V

DIMENSIONS: 9"Wx21"Lx17"H
WEIGHT: 60 lbs., unit only
PROTECTION CLASS: IP21S
INSULATION GRADE: F
VRD: <24V



1-877-755-9353

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329 Littlefield Ave. South San Francisco, CA 94080

everlastwelders.com

PowerARC 280STH**GTAW-P/ SMAW (DC)**12.5 ft Everlast 26 Series
Air-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:**

DC Pulse Frequency	1-250Hz
Pulse Time On Balance	5-95%
Pulse Amps Ratio	5-95%
Minimum DC TIG Start	5 Amps
Pre-flow Time	0-25 Seconds
Post-flow Time	0-50 Seconds
Up Slope Time	0-25 Seconds
Down Slope Time	0-25 Seconds
Start Amps	5A-280A
End amps	5A-280A
Stick Arc Force Control	0-100%
Stick Hot Start Time	0-2 Seconds
Stick Hot Start Intensity	0-100%
2T/4T Control	Yes
Foot Pedal Control	Yes
HF Start	Yes
Lift Start	Yes
Memory	No (Only last Pgrm.)
TIG Amp Range:	5-280A
Stick Amp Range:	20-250A

Safety/ Unit Protection Features:

Over Temperature Warning	Yes
Over Current Warning	Yes
Voltage Reduction Device (VRD)	Yes, <24V
Switch	Breaker Type

**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 specifications subject to change without notice.

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



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