

PowerARC 210STL



DC Digital Stick Series

Bring on the metal.

- ▶ Pack a punch with 200A of TIG or Stick welding power.
- ▶ Deliver Pro results with a smooth and stable arc.
- ▶ Burn in a root pass with the E6010 Stick Setting.
- ▶ Press on with a 35% Duty Cycle @ max setting.
- ▶ Take it to any job with 120V/240V input.
- ▶ Stop turning work away with DC TIG/Stick capability.



Get the best of both worlds.

You don't have to pick one over the other.

There are times where one welding process is simply a better choice than another. With the PowerARC 210STL, you won't have to worry about that issue with both Stick and TIG capability. The PowerARC 210STL is a perfect choice for the fab shop, pipeline or even farm. It has more than enough power to handle 5/32" welding rods. Super smooth E7018 stick welds can be obtained with the use of the adjustable arc force control and hot start controls. If an E6010 electrode is required, the welder is a good performer and can be adjusted to improve the aggressiveness of the arc. But we know stick isn't the answer for everything. So, we've really polished the unit's capability as a TIG welder. The Lift Start capability of the machine is one example. Lift starting the TIG arc is a good choice in sensitive electronic environments, where a high frequency start may interfere with operation of vital equipment. The unit also features DC TIG, which essentially allows you to TIG weld almost every weldable metal *except* Aluminum and Magnesium. To further bolster TIG capability, the optional foot pedal allows you initiate the lift start and then to modulate amperage remotely. Or if preferred, you can use the torch switch to control arc initiation to initiate the arc and control amperage on the panel. However, if you are on a ladder, the live lift function operates without a torch switch or a foot pedal.

Get more out of a new design.

The PowerARC 210STL features capability that equals or exceeds the capability and design of its predecessor. The latest model features a digitally controlled design. Digitalizing the design of the welder yields a more reliable design by removing extra circuits and compacting the overall foot print of circuitry. It also makes repair and maintenance a relatively easy proposition, with plug and play internal components throughout much of the design. The digital design also frees up additional room allowing extra features to be added for both processes. These features include Adjustable Stick Hot Start, Adjustable Stick Arc Force Control, TIG Post-flow and TIG Down-slope. Additionally, foot pedal control has been added for a truly controllable TIG experience. As far as safety features go, the addition of Voltage Reduction (VRD) and an anti-stick function for stick welding focus on protecting the operator from inherent dangers of welding, when properly employed. When all the functions, performance and safety features are added it up, it is clear that the PowerARC 210STL is definitely a welder that can stand up to the demands of most any professional welder. If you are a hobbyist, don't be discouraged, because the price is the best feature.



Specifications

Process: DC SMAW/DC GTAW
Input: 1:MAX: 120V, 39.2A / 240V, 36.8A 1:EFF: 120V, 24A / 240V, 22A
OCV: 70V
Weight: 28LBS.

Output: 120V: 10-90A; 240V: 10-200A TIG/Stick
Protection: IP21S
Insulation grade: F
Dimensions: 7.5"x12.5"x16.5"

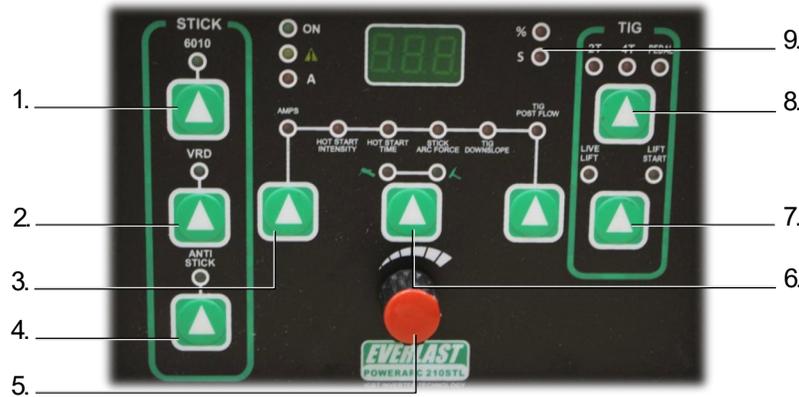
Duty Cycle: 35%@90/200A, 40° C
Electrode Diameter: 1/16"– 5/32"
Classification: Industrial Repair and Fab
Input Cable Length/Gauge: 6.5' / 12 AWG

Everlast Power Equipment
380 Swift Ave. Unit 12
South San Francisco, CA 94080

1-877-755-9353
www.everlastwelders.com
All specifications, accessories and options are subject to change without notice.

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Panel Configuration and Details



1. E6010 Stick function for welding with cellulose rods.
2. VRD function reduces Stick OCV for safety where required. <24V.
3. Selector toggles between parameters for adjustment (See more details on adjustable parameters below.)
4. Anti-Stick feature terminates welding output when the welding rod sticks for easy rod removal and safety.
5. Parameter control adjusts highlighted parameter values.
6. Mode selector selects between DC Stick or DC TIG welding.
7. Start mode offers choice of TIG arc start. Type: High Frequency, Lift Start (with remote) or Live Lift (no switch or pedal with live Tungsten).
8. Remote function chooses how the unit operates with the remote (pedal or 2T/4T torch switch operation).
9. Display/LEDs indicate function value (#3) and value being adjusted.

Adjustable Parameters:

1. Amps. Controls Amp setting (10-200A).
2. Stick Hot Start Intensity. Controls aggressiveness of the arc start in stick mode. (0-100 % over standard arc amps)
3. Stick Hot Start Time. Controls the amount of time the hot start stays engaged. (0-2 Seconds)
4. Stick Arc Force. Controls the amp reaction to the drop in arc voltage when the arc gap is shortened or closed in an effort to maintain welding wattage. This operates over and above chosen amps. Activates when volts drop below 20V. (0-100% of available arc force action)
5. TIG Down-slope. Used with torch switch, allows the arc to taper and provides time for the crater to fill as before the arc terminates. (0-10 Seconds)
6. TIG Post-flow. Provides gas flow after weld termination to provide torch cooling/ post-weld shielding as puddle cools and solidifies. (0-25 Seconds)

Standard Equipment and Options



Standard Kit:

- 9 ft. Cable with 250 A Stick Electrode Holder
- 9 ft. Cable with 200 A Work Clamp
- 240V to 120V Pigtail Adapter



Customer Favorite Options:

- NOVA 17 Rota-Flex Torch, with 25 ft. Ultraflex cables #RF-17-125-35QD
- NOVA Long Life (2 Million Cycle) Foot Pedal #EV-FP22NWI
- Everlast 17/26/18 Stubby Gas Lens Kit #E-WP17-26-18-SKT
- Everlast Floating Ball Type Flow Meter #EV-200UW- CFH

Everlast proudly offers optional accessories and products from NOVA Welding Industries.



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