

Quick Specs

Applications

Remote Welding jobs, with no access to power.
Confined spaces, where normal welding machines can't go.
Small repairs.

Processes

MIG (GMAW)
Flux-cored

Weld Thickness

1/8" -3/8" Steel and Aluminum
Sheet metal using stitch welding technique.

Input (Charging) Power

120/240 VAC 7 A Charger

Output Power

Max 300 A at 26.4 VDC, 30% Duty Cycle



Highlights:

- No large tanks
- No long cables
- No generator required

Easy To Use

120/ 240 VAC Charging
Can be charged with household or commercial power.

Input Power

1/8"-3/8" Steel and Aluminum
Sheet metal welding using stitch welding technique.

Weld Capacity

Features & Benefits:

Portability

- The Tactical Welder can be used just about anywhere. Its compact size and weight mean you can carry your welder wherever you need it.
- Complete Battery Powered System - no long power cords, heavy cables or generators necessary. Just clamp the ground wire and start welding, it that simple.

State-of-the-Art Safety

- On board Battery Management System (BMS) uses 8 Lithium Iron Phosphate Cells to deliver consistent safe power, safely controls charging and discharging functions.
- Built-in thermal sensors to shut the welder down if excessive heat is detected in side of the battery pack, with the help of the BMS.
- High current contactor provides the cold tip feature protecting the operator and the system from short circuits.

- In the event of an accidental short circuit an internal fuse will sever the connection to the cells.

Power and Versatility

- The 300 A Tactical Welder is capable of producing a weld that meets AWS D1.1 structural steel requirements based on face and root bend testing, using the included spool gun with .035 in. flux-cored wire, with 75/25 Argon CO2 gas mixture on 3/8" steel.
- The Tactical Welder is able to perform both MIG (GMAW) and Flux-cored (FCAW) on both Steel and Aluminum. The Tactical Welder can weld for up to 56 minutes using a 30% duty cycle, or half a 1lb. spool of weld wire on a single charge.

All Inclusive

- All components necessary for welding with the Tactical Welder are designed to be stored/transported in the included backpack, the backpack provides a holster for the spool gun and tools allowing for one hand welding operations.

The Tactical Welder comes complete with:

- Power System (Battery Pack and BMS)
- Spool Gun
- 7A Charger
- 300 A Ground Clamp
- 6-Foot cable with high current plug connectors for positive and negative ground welding.



Tactical Welder *Technical Data Sheet*

Metal Types:

Steel Welding

- Load the spool gun with the appropriate welding wire diameter and metal type (steel solid or flux-cored wire ranging from 0.25-0.35)
- For GMAW welding connect the gas line to a tank of 75/25 Argon/CO2.
- For FCAW welding no gas is required if using a gasless flux-cored wire.

Aluminum Welding

- Load the spool gun with the appropriate welding wire diameter and metal type (solid wire ranging from .025-.035)
- For GMAW welding connect the gas line to a tank with 100% Argon or a mixture of Argon and Helium.
- There is no option for FCAW welding with aluminum.

Specifications:

Amperage Range	Rated Output	Charging Input	Wire Feed Speed	Wire Type and Diameter	Dimensions	Net Weight
300 A	300 A at 26.4 VDC 30% Duty Cycle	120/240 VAC, 7A 60 Hz	50IMP - 900IPM	Solid Steel .025-035 in. (.6-.8mm) Solid Aluminum .025-035 in. (.6-.8mm) Flux-cored Steel .025-035 in. (.6-.8mm)	H: 3.0" W: 7.4" D: 14.5" (H: 76.2mm, W:188 mm, D: 368.3mm)	18.5 lbs. (8.4 kg.) (Power Pack Only)



ULTRATECH
INTERNATIONAL, INC.

UltraTech International, Inc.
11542 Davis Creek Court
Jacksonville, FL 32256
1-904-292-1611 · tacticalwelder.com