

ELEVATE™ SLi Battery Powered Welder

Go Anywhere. Weld Anything.

Designed, built, and tested to be the industry's leading battery-powered welder, the ELEVATE™ SLi combines unlimited portability with the trusted, reliable arc performance you expect from Lincoln Electric.

Engineered to withstand rugged job site conditions, this durable and lightweight system offers a powerful cordless Stick & TIG welder that elevates your versatility and eliminates the constraints of traditional power sources.



Processes

- Stick and Touch Start DC TIG

Applications

- Construction, Fabrication, Field Service, Maintenance & Repair, Structural Erection

Welding Output

- 20–145 amps

Input Power

- 120V / 1-Phase / 60Hz

Features

Cordless Rugged Design - Go Anywhere

- Lightweight & Portable: 33 lbs (15 kg) of ergonomic design for maximum mobility
- No Input Power Needed: Work completely off-grid
- Minimize Hassles: Forget loud noise & high fuel costs

High Efficiency Performance

- Offers a robust 145A output for highly efficient welding
- Superior DC arc performance for both Stick and Touch Start™ TIG welding
- Ability to handle up to 5/32 in. (4.0 mm) diameter electrodes

Built for the Field

- Lithium Iron Phosphate (LFP) Battery: Offers a longer lifespan, improved efficiency, and superior safety
- Fan-As-Needed™ (F.A.N.™): Reduces power consumption and debris ingress by only running the fan when necessary, protecting internal components
- All-In-One Internal Charging: No external charger needed. Simply plug the machine into a standard 120V outlet to charge—you can even weld while it's charging

Advanced Features for Total Control

- Hot Start: Provides extra amperage to prevent sticking
- Arc Force: Control the penetration profile from a soft, buttery arc to a crisp, driving arc for digging in

Rental | Lease | Purchase

Red-D-Arc™

ELEVATE™ SLi Battery Powered Welder

ELEVATE SLi Specifications

Product Number	Charging Input Power Voltage/Phase/Hertz	Output Range	Rated Output @ 104°F [40°C]	Electrode Diameters in (mm)	Open Circuit Voltage (OCV)	Dimensions	Net Weight
K4706-1	120/1/60 Max 6A	Stick: 20-145A TIG: 4-145A	Stick: 145A / 25.8V TIG: 145A / 15.8V	3/32 [2.4] 1/8 [3.2] 5/32 [4.0]	Average: 55V Peak: 72V	H: 14 in. [356 mm] W: 11 in. [292 mm] D: 20 in. [508 mm]	33 lbs. [15 kg]

ELECTRODE CONSUMPTION - STICK WELDING* (SMAW)

	E6010		E6013		E7018	
	Electrodes Consumed	Amps	Electrodes Consumed	Amps	Electrodes Consumed	Amps
3/32 x 12 in	21.7	60	16.8	75	12.3*	90
1/8 x 14 in	9.2	90	9.4	110	8.1	120
5/32 x 14 in *3/32 x 14 in	6.3	120	5.8	140	5.3	140

LIFT START TIG WELDING* (GTAW)

	Total Arc Time to Battery Depletion (min)	Amps
1/16 in	21.1	100

*Actual results may vary due to factors such as, but not limited to: welding conditions, machine parameters, material properties, operator technique, and/or battery lifecycle.

- 1 Shoulder Strap Hooks
- 2 Display
- 3 Mode Selector
- 4 On/Off Switch
- 5 Weld Terminals
- 6 Battery Charge Level
- 7 Charging Indicator
- 8 Output Knob
- 9 Ergonomic Handle
- 10 Circuit Breaker
- 11 Charging Port



For more information

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Specifications are subject to change without notice

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