

Maxstar® 161 S

**Stick Welding
Power Source** 

Quick Specs

Light Industrial Applications

Maintenance repair
Shipboard installation/repair
Farm/ranch
Hobbyist

Process

Stick (SMAW)

Input Power

120–240 V, 1-phase power

Amperage Range 120 V: 20–90 A (DC)
240 V: 20–160 A (DC)

Max. Open-Circuit Voltage 48

Net Weight 13 lb. (5.9 kg)



Allows for any input voltage hookup (120–240 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

Portable in the shop or at the jobsite — at 13 pounds, the handle/shoulder strap allows the end user to easily move from location to location.

Fan-On-Demand™ power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

Thermal overload protection helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.

Digital meter for more precise control when presetting or monitoring welding amperage.



Single amperage range allows operator to accurately set amperage on both 120- or 240-volt primary power.

Hot Start™ adaptive control provides positive arc starts without sticking.

Low OCV stick is a simple design that reduces the open-circuit voltage to 12–16 volts when the welding power source is not in use. This circuit design is now built into the Maxstar 161 S eliminating the need for add-on voltage reducers.

Power factor corrected (PFC) for optimum performance especially on 120 volts — reduces nuisance breaker tripping.

Stick-Stuck detects if the electrode is stuck to the part and turns the welding output off to safely and easily remove the electrode. Menu selectable.

Superior stick arc performance even on the difficult-to-run electrodes like E6010.

Maxstar® 161 S with X-CASE™ (907709001) comes complete with:

- Maxstar 161 S (stick only) power source
- 6.5 ft. (2 m) 120-volt and 240-volt power cords
- X-CASE™ — provides protection in transport and storage
- Stick electrode holder with 13 ft. (4 m) cable and 25 mm Dinse-style connector
- Work clamp with 10 ft. (3 m) cable and 25 mm Dinse-style connector
- Handle/shoulder strap



Power source is warranted for three years, parts and labor.
Original main power rectifiers are warranted for five years.



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Specifications (Subject to change without notice.)

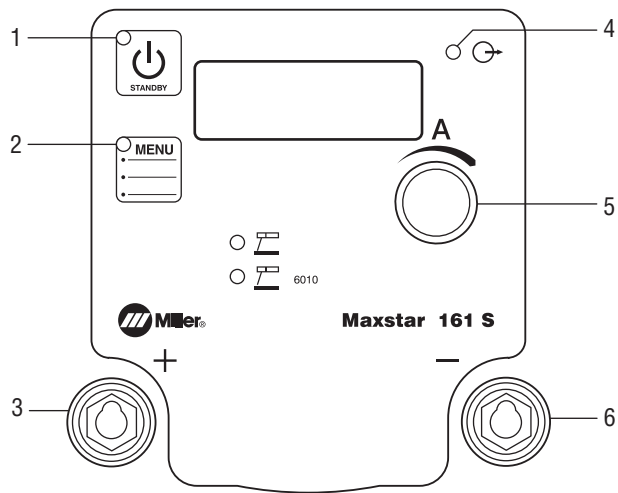


Input Power	Welding Amperage Range	Rated Output	Amps Input at Rated Output, 50/60 Hz	KVA at Duty Cycle	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
120 V, 20 A	20–90 A	60 A at 22.4 VDC, 100% duty cycle	14.68	1.75	1.71	48 VDC (12–16 VDC*)	H: 10.3 in. (262 mm) W: 5.6 in. (142 mm) D: 13.5 in. (343 mm)	13 lb. (5.9 kg)
		90 A at 23.6 VDC, 30% duty cycle	23.16	2.78	2.76			
240 V	20–160 A	110 A at 24.4 VDC, 100% duty cycle	14.31	3.43	3.30	48 VDC (12–16 VDC*)	H: 10.3 in. (262 mm) W: 5.6 in. (142 mm) D: 13.5 in. (343 mm)	13 lb. (5.9 kg)
		160 A at 26.4 VDC, 20% duty cycle	22.55	5.41	5.25			

*Sense voltage for stick.

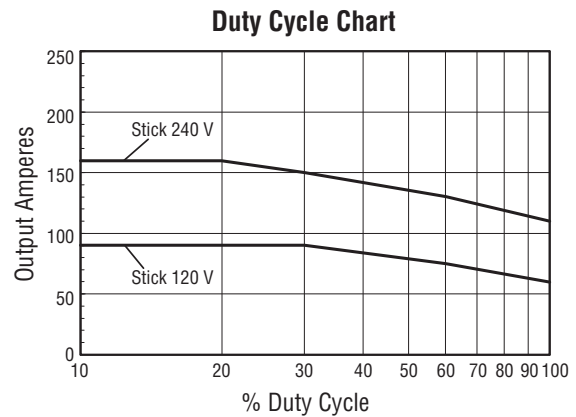
Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Control Panel



1. Power Switch
2. Menu Button
3. Positive Weld Output Receptacle
4. Ready Light
5. Amperage Adjustment Control
6. Negative Weld Output Receptacle

Performance Data



Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
Maxstar® 161 S (only)	907709	Includes electrode holder, work clamp, and 120-volt and 240-volt power cords		
Maxstar® 161 S with X-CASE™	907709001	Includes 907709 plus X-CASE™		
Accessories				
X-CASE™ (only)	301429	Carrying case for Maxstar 161		

Date: _____ Total Quoted Price: _____

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