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# Thunderbolt XL AC/DC

Stick Welding Power Source



## Quick Specs

### **Light Industrial Applications**

Garage/Job Shops Plant Fabrication/Maintenance Vocational Training Light Production-line Work

### **Processes**

Stick (SMAW)

Input Power 1-Phase Power

### **Amperage Range**

225 AC/150 DC: HIGH 40-235 A (AC),

LOW 30-150 A (AC)

30-160 (DC)

300 AC/200 DC: HIGH 65-300 A (AC),

LOW 40-200 A (AC)

30 - 200 (DC)

Max. Open-Circuit Voltage 80

# The Power of Blue®

Infinite current control allows the operator to adjust output by as little as 1-amp increments. Users can always get the exact heat they need, unlike the step control design on competitive products.

### High 100% duty cycle rating:

100 amps AC/65 amps DC for the 225 AC/150 DC amp model. 130 amps AC/90 amps DC for the 300 AC/200 DC amp model.

The exclusive **patented Accu-Set**™ provides precise heat control with infinite amperage control.

High DC weld output: up to 150 amps for the 225 AC/150 DC model, and up to 200 amps for the 300 AC/200 DC model, available at 20% duty cycle. Thunderbolt XL 225 AC/150 DC model has 20% more DC output than competitive products.



#### **Comes Complete With:**

Power source with 15 ft (4.5 m) electrode cable, electrode holder, 10 ft (3 m) work cable with clamp, and power cord (without plug).

Note: Thunderbolt XL 225 AC/150 DC (#903 642) includes 230 V plug.

Models do not include wall receptacle.

**Output selector switch** allows you to quickly select AC, DCEP or DCEN without adjusting the output leads.

# Fully varnished magnetic coils: varnish protects and lengthens the

varnish protects and lengthens the life of the coils inside.

**Forced-draft cooling fan** runs continuously and helps to extend the life of the power source.

### **Specifications** (Subject to change without notice.)







Model		Rated Output at 20% Duty Cycle	Welding Amperag High	e Range Low	Max. Open- Circuit Voltage	Amps Input at R 50 or 60 Hz 220 V	ated Output,	Dimensions	Net Weight
Thunderbolt XL 225 AC/ 150 DC	AC	225 A at 25 VAC, 60 Hz (15% Duty Cycle at 50 Hz)	40-235	30-150	80	_	47.5	H: 18-3/4 in (476 mm)	104 lb
	DC	150 A at 25 VDC, 60 Hz (15% Duty Cycle at 50 Hz)	30-160					W: 12-3/4 in (323 mm) D: 17-1/2 in (445 mm)	(47 kg)
Thunderbolt XL 300 AC/ 200 DC	AC	300 A at 30 VAC, 50/60 Hz	65-300	40-200		70	_	D. 17 1/2 III (440 IIIIII)	134 lb (61 kg)
	DC	200 A at 25 VDC, 50/60 Hz	30-	200					



Power source is warranted for 3 years, parts and labor. Original main power rectifiers are warranted for 5 years.





### Miller Electric Mfg. Co.

An Illinois Tool Works Company 1635 West Spencer Street Appleton, WI 54914 USA

### **International Headquarters**

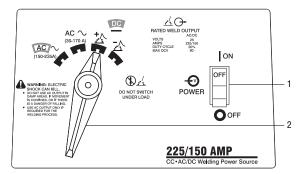
Phone: 920-735-4505 USA FAX: 920-735-4134 Canadian FAX: 920-735-4169 International FAX: 920-735-4125

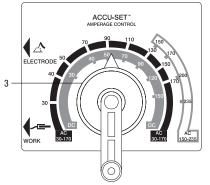
#### Web Site

www.MillerWelds.com



### **Control Panel**



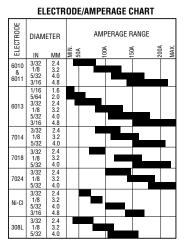


- 1. Power Switch
- 2. Selector Switch
- 3. Amperage Adjustment Control

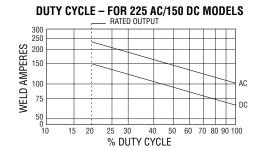
### **Electrode Charts**

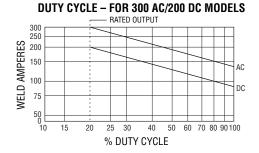
#### **ELECTRODE POLARITY CHART** PENETRATION ELECTRODE POSITION USAGE ĎC AC ALL DEEP MIN. PREP, ROUGH, HIGH SPATTER 6011 EP ✓ ALL DEEP 6013 EP, EN ✓ ALL LOW GENERAL 7014 EP, EN 🗸 ALL MED. SMOOTH, EASY, FAST LOW HYDROGEN, STRONG 1 7018 FP ALL LOW FLAT HORIZ FILLET SMOOTH, EASY, FASTER EP, EN 🗸 LOW EP ALL LOW CAST IRON 308L EP ✓ ALL LOW STAINI FSS

\*EP = ELECTRODE POSITIVE (REVERSE POLARITY) EN = ELECTRODE NEGATIVE (STRAIGHT POLARITY)

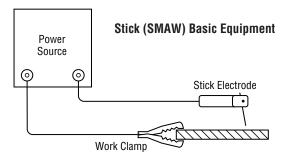


### **Performance Data**





# **Typical Installation**



# **Ordering Information**

Power Source	Stock No.	Description	Qty.	Price
Thunderbolt® XL 225 AC/150 DC	#903 642*	230 V, 50/60 Hz. Includes 5 ft (1.5 m) power cord w/230 V plug		
Thunderbolt® XL 300 AC/200 DC	#903 686	220 V, 50/60 Hz. Includes 7 ft (2.1 m) power cord		
Running Gear	#043 927	Mounts easily to unit and provides convenient portability. Includes two wheels, two feet and handle.		
Miscellaneous				
Stick Electrodes		See charts above		
Helmet/Gloves/Scratch Brush				
Chipping Slag Hammer				
Wall Receptacle				

Date:

**Total Quoted Price:** 

© Certified to both the Canadian and U.S. Standards for welding equipment.



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