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CP-302

MIG Welding Power Source

Quick Specs

Industrial Applications
Light Fabrication
Automotive
Furniture
Agricultural
Truck Body/Metal Fabrication
Small Equipment Manufacturing

Processes
MIG (GMAW)
Flux-Cored (FCAW)

Input Power 3-Phase Power

Rated Output 300 A at 32 V, 100% Duty Cycle
390 A at 32 V, 60% Duty Cycle

Max. Open-Circuit Voltage 14 – 44 VDC

Net Weight 332 lb. (151 kg)

Adjustable weld stabilizer (high-low inductance) provides the flexibility to produce the optimal arc characteristics. Use the high stabilizer setting for stainless steel and low setting for mild steel and aluminum.

Solid-state weld contactor provides longevity to match the ultra-durable and reliable reputation of the CP series.

Power efficient for exceptional value and return on your investment.

115 VAC duplex receptacle provides 15 amps of auxiliary power.

CP-302 MIGRunner™ Package shown.

EQUIP to WELD™

Build your own system at **MillerWelds.com/equiptoweld** or see the **Stationary and MIGRunner Packages** (page 3).

Large analog volt and ammeters for easy viewing.

Presettable welding voltage with voltmeter allows you to easily set weld output before welding.

Simple control panel with just one control adjustment.

Lower panel cover protects output connections from harsh welding environments.

14-pin receptacle provides quick, direct connection to wire feeders and accessories.

TRUE BLUE® 3 YR. WARRANTY

Welder is warranted for 3 years, parts and labor.
Original main power rectified parts are warranted for 5 years.

Miller®

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MillerWelds.com

ISO 9001 REGISTERED QUALITY SYSTEM

Specifications (Subject to change without notice.)

Voltage Range	Rated Output	Amps Input at Rated Output, Three-Phase, 60 Hz 200 V	230 V	460 V	575 V	KVA	KW	Open-Circuit Voltage	Dimensions	Net Weight
14 – 44 V	300 A at 32 V, 100% duty cycle 390 A at 32 V, 60% duty cycle	38 1.1*	33 .95*	16.5 .48*	13.0 .38*	13.1 .38*	12.3 .32*	14 – 44 VDC	H: 30 in. (762 mm) *(including lift eye)* W: 23 in. (585 mm) D: 30.5 in. (775 mm) *(including strain relief)*	332 lb. (151 kg)

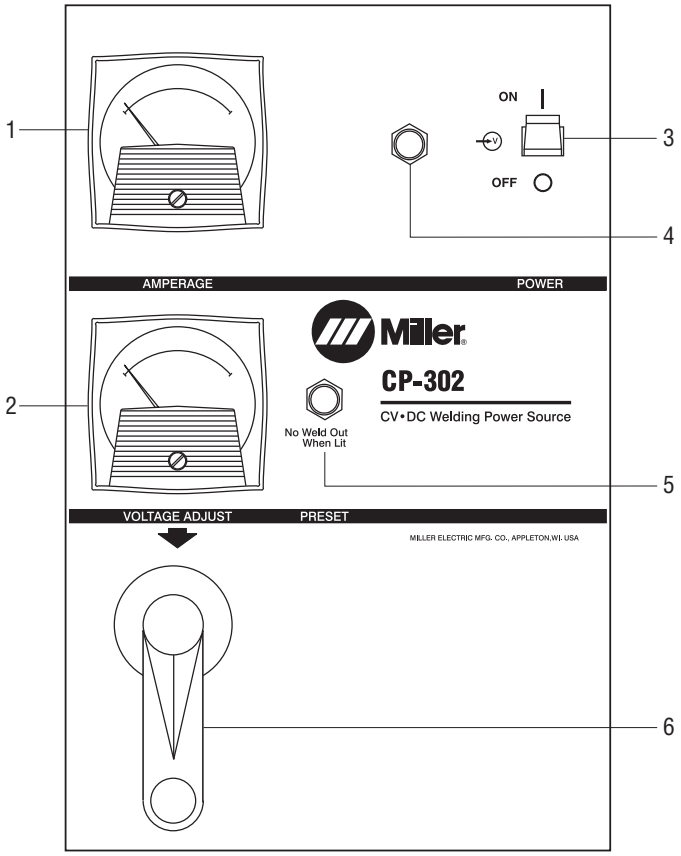
**While idling.*

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

Conforms with NEMA EW 1, "Electric Arc Welding Power Sources", Class I (100).

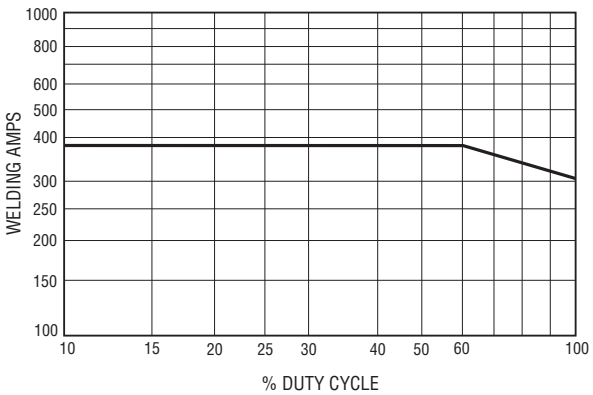
Control Panel

1. Ammeter
2. Voltmeter
3. Power Switch
4. Pilot Light
5. Preset Indicator Light
6. Voltage Control

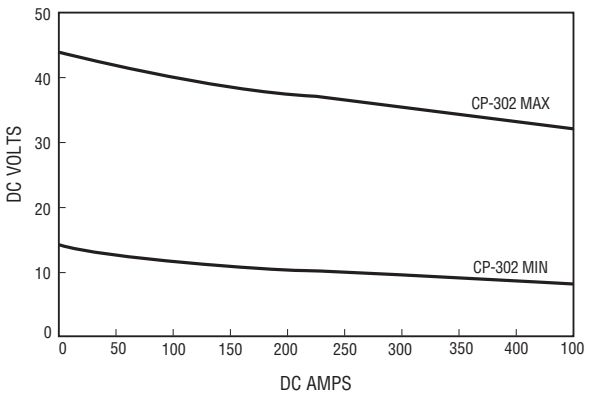


Performance Data

DUTY CYCLE CHART



VOLT/AMP CURVE



Packages

Option #1: CP-302 Power Source Only

Purchase components separately.

CP-302 #903 786

Build your own system at
MillerWelds.com/equiptoweld

Option #2: CP-302 Stationary Package

Stationary display without running gear or cylinder rack.

CP-302 Stationary Package #951 231

Comes complete with:
- CP-302 power source
- 22A wire feeder
- Bernard™ Q-Gun™
- Industrial MIG 4/0 kit consisting of flowmeter regulator with 10-ft. (3 m) gas hose, 10-ft. (3 m) 4/0 feeder weld cable with lugs, and 15-ft. (4.6 m) work cable with 600-amp C-clamp

Option #3: CP-302 MIGRunner™ Package

MIGRunner system with factory-installed standard running gear and cylinder rack.

CP-302 MIGRunner Package #951 230

Comes complete with:
- CP-302 power source
- 22A wire feeder
- Bernard™ Q-Gun™
- Industrial MIG 4/0 kit consisting of flowmeter regulator with 10-ft. (3 m) gas hose, 10-ft. (3 m) 4/0 feeder weld cable with lugs, and 15-ft. (4.6 m) work cable with 600-amp C-clamp
- Factory-installed standard running gear and cylinder rack

Genuine Miller® Accessories

Industrial MIG 4/0 Kit #300 390
Includes flowmeter regulator with 10-foot (3 m) gas hose, 10-foot (3 m) 4/0 feeder weld cable with lugs, and 15-foot (4.6 m) work cable with 600-amp C-clamp.

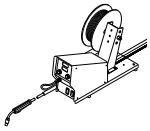
WC-24 Weld Control #137 549
Packaged in a compact, lightweight, non-metallic enclosure, the WC-24 easily mounts directly on the power source. It's designed for use with Miller CV power sources supplying 24 VAC and 14-pin receptacles. The control includes a board-mounted potentiometer which can alter the drive motor acceleration rate to optimize arc starting performance.

Standard Running Gear #042 886
The large 10-inch (254 mm) rear wheels and 5-inch (127 mm) front casters on this running gear provide excellent mobility on the shop floor, making it easier to move the power source. Very easy to install. Handles double as weld cable holder.

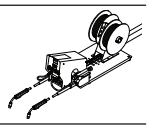
Standard Cylinder Rack #042 887
Holds two cylinders. Only installs on Standard Running Gear.

Wire Feeder Options

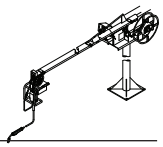
Bench-Style Feeders	Lit. Index No.
22A	M/11.0
24A	M/11.0
S-74S	M/3.0



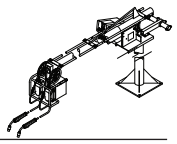
Bench-Style Dual Feeders	
D-74S	M/3.0



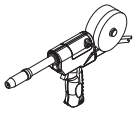
Boom-Style Feeders	
SS-74S12	M/13.11
SS-74S16	M/13.11



Boom-Style Dual Feeders	
DS-74S12	M/13.11
DS-74S16	M/13.11



Spool Guns	
Spoolmatic® 15A	M/1.73
Spoolmatic® 30A	M/1.73



Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
CP-302 Power Source Only	**#903 786**	200/230/460 V, 60 Hz		
CP-302 Stationary Package	**#951 231**	200/230/460 V, 60 Hz		
CP-302 MIGRunner™ Package	**#951 230**	200/230/460 V, 60 Hz		
Wire Feeders				
22A	**#951 190**	See Lit. Index No. M/11.0		
24A	**#951 193**	See Lit. Index No. M/11.0		
70 Series	**#951 196** **#951 203**	S-74S. See Lit. Index No. M/3.0 D-74S. See Lit. Index No. M/3.0		
Swingarc™ Boom Feeders		See Lit. Index No. M/13.11		
Extension Cables for 14-Pin Plugs to 14-Pin Sockets*	**#242 208 025** **#242 208 050** **#242 208 080**	25 ft. (7.6 m) 50 ft. (15.2 m) 80 ft. (24.4 m) **For additional lengths visit MillerWelds.com/equiptoweld.*		
Spoolmatic® 15A	**#195 156**	See Lit. Index No. M/1.73		
Spoolmatic® 30A	**#130 831**	See Lit. Index No. M/1.73		
WC-24 Weld Control	**#137 549**			
Guns				
Bernard™ Gun/Consumables				
Accessories				
Industrial MIG 4/0 Kit	**#300 390**	Includes flowmeter regulator with 10-ft. (3 m) gas hose, 10-ft. (3 m) 4/0 feeder weld cable with lugs, and 15-ft. (4.6 m) work cable with 600-amp C-clamp		
Standard Running Gear	**#042 886**			
Standard Cylinder Rack	**#042 887**			

Date: **Total Quoted Price:**

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