

# Warrior™ 500i

## Powerful, Multi-Process Welder



Warrior 500i is a reliable, multi-process welding machine designed for heavy-duty productivity with up to 500 Amps delivered with superb arc characteristics.

- Inverter Technology – Warrior brings the outstanding arc performance and energy savings expected from an inverter including increased energy efficiency and more power from a lighter, smaller, and more portable unit at a competitive price
- High Duty Cycle – for long runs across a variety of applications delivering 400 A or 500 A at 60% Duty Cycle
- Durable and rugged – IP23 rating for outdoor and indoor use in rough environments
- Easy-to-Use – clear and intuitive user interface for everyone to get started quickly with glove-friendly knobs to make adjustments quick and easy
- Wide input voltage range to support regional requirements

Visit [esab.com](http://esab.com) for more information.

### Industry

- Automotive
- Transportation
- General Manufacturing
- Heavy Fabrication
- Nuclear
- Aerospace
- Pressure Vessels
- Ship/Barge Building



# Warrior™ 500i

Specifications	
Operating temperature	14 – 104° F (-10 – 40° C)
Open circuit power	500 W
Setting range: GMAW/FCAW (MIG) SMAW (Stick) GTAW (DC TIG)	16 – 500 A 16 – 500 A 4 – 500 A
Energy save mode	30 W
Power factor maximum current	92 %
Efficiency maximum current	89 %
Open circuit VAC high	54 V
Enclosure class	IP23
Input Voltage	380/460/575 V, 3 ph, 50/60 Hz -10% / +10%
Duty cycle %	500 A/40 V @ 60% duty cycle 400 A/36 V @ 100% duty cycle
Fuse Slow	32 A
Dimensions L x W x H	28.1 x 12.8 x 18.5 in. (712 x 325 x 470 mm)
Weight	115 lbs. (52 kg)

## Warrior 500i - Ordering Information

USA	
Warrior 500i 380/460/575 V, 3 ph, Power Source Only	0465350881
Warrior 500i WF 304 6.5 ft. (2 m), SM V350 Gun 15', RTW	0558101760
Warrior 500i WF 404HD 6.5 ft. (2 m), SM V350 Gun 15', RTW	0558102283
Warrior 500i WF DUAL 304 6.5ft (2m), SM V350 Gun 15', RTW	0558102465
Warrior 500i WF 304 SM V350 15' Basic Package	0558101759
Warrior 500i WF 404HD SM V350 15' Basic Package	0558102282
Warrior 500i WF DUAL 304 SM V350 15' Basic Package	0558102464
Warrior 500i MobileFeed 201AVS, SM V350 Gun Package	0558102391
Warrior 500i MobileFeed 301AVS, SM V350 Gun Package	0558101762
Canada	
Warrior 500i 380/460/575 V, 3 ph, Power Source Only	0465350887
Warrior 500i WF 304 6.5 ft. (2 m), SM V350 Gun 15', RTW	0561000155
Warrior 500i WF 404HD 6.5 ft. (2 m), SM V350 Gun, RTW	0561000156
Warrior 500i WF DUAL 304 6.5ft (2m), SM V350 Gun, RTW	0561000157
Warrior 500i WF 304 SM V350 15' Basic Package*	0561000160
Warrior 500i WF 404HD SM V350 15' Basic Package*	0561000161
Warrior 500i WF DUAL 304 SM V350 15' Basic Package*	0561000162
Warrior 500i WF MobileFeed 301AVS SM V350 15'	0558101762

Warrior 500i RTW - Ready-to-Weld packages include power source, wire feeder, connection set, regulator/flowmeter, .035/.045 in. (0.9-1.2 mm) feed rolls and 1-cylinder cart. Basic packages require connection cable set to be ordered separately.

Warrior 500i packages for US come set at 460V.

Warrior 500i packages for Canada come set at 575V.

# Warrior™ 500i

Options & Accessories	
Description	Part Number
Warrior Feed 304 Air-Cooled	0465250880
Warrior Feed 304w Water-Cooled	0465250881
Warrior Feed 404HD (Tweco Connection)	0558102235
Warrior Feed Dual 304 (Tweco Connection)	0558101947
Warrior Feed Dual 304 (Euro Connection)	0558101946
Warrior YardFeed 200 Air-Cooled	0459906900
Warrior YardFeed 200w Water-Cooled	0459906901
MobileFeed 201AVS w/meter (Tweco Connection)	0558102194
MobileFeed 201AVS w/meter (Euro Connection)	0558101910
MobileFeed 201AVS w/meter & remote (Euro Connection)	0558101911
MobileFeed 301AVS w/meter (Tweco Connection)	0558102195
Heavy-Duty Cart, 2-cylinder	0558102236
Bracket Kit for Heavy-Duty Cart (0558102236)	0558102310
Swivel Post for Heavy-Duty Cart (Warrior Feed only)	34075
Power Source Wheel Kit	0465416880
Trolley - 4-wheel, 1-cylinder	0465510880
COOL 2 Water Cooler	0465427880
Victor EDGE ESS3-40-580 Ar Single-Stage Regulator/Flowmeter	0781-5120
MiniBoom Counterbalance Device (requires 0460565880, 0461310880 and 0460946880)	0458705880
Remote Outlet Kit for Power Source	0465424880
Remote control AT1	0459491896
Remote control AT1 CoarseFine	0459491897
Remote Cable AN 8-12 Pole 16.4 ft. (5 m)	0459552880
Remote Cable AN 8-12 Pole 32.8 ft. (10 m)	0459552881
Remote Cable AN 8-12 Pole 49.2 ft. (15 m)	0459552882
Remote Cable AN 8-12 Pole 82 ft. (25 m)	0459552883
Remote control M1	0459491895
Remote Adapter Kit Miggytrac/Railtrac	0465451881
Female gas hose quick-connector	0365803002
Guide pin extension kit	0465508880
Stabilizer kit for Counterbalance Arm	0465509880
Gas Meter (measures gas flow at the gun)	19043
Tweco Spray Master V250 MIG Gun (Euro), up to .045 in. (1.2 mm), 15 ft. (4.6 m)	1023-1288
Tweco Spray Master V350 MIG Gun (Tweco), up to 1/16 in. (1.6 mm), 15 ft. (4.6 m)	1036-1756
Tweco Spray Master V450 MIG Gun (Euro), up to 1/16 in. (1.6 mm), 15 ft. (4.6 m)	1040-1850

# Warrior™ 500i

## Interconnection Sets

Description	Part Number
Interconnection Cables - 70mm <sup>2</sup> , Air-Cooled, 6.5 ft. (2 m)	0459836880
Interconnection Cables - 70mm <sup>2</sup> , Air-Cooled, 16.4 ft. (5 m)	0459836881
Interconnection Cables - 70mm <sup>2</sup> , Air-Cooled, 32.8 ft. (10 m)	0459836882
Interconnection Cables - 70mm <sup>2</sup> , Air-Cooled, 49.2 ft. (15 m)	0459836883
Interconnection Cables - 70mm <sup>2</sup> , Air-Cooled, 82 ft. (25 m)	0459836884
Interconnection Cables - 70mm <sup>2</sup> , Air-Cooled, 114.8 ft. (35 m)	0459836885
Interconnection Cables - 70mm <sup>2</sup> , Water-Cooled, 6.5 ft. (2 m)	0459836890
Interconnection Cables - 70mm <sup>2</sup> , Water-Cooled, 16.4 ft. (5 m)	0459836891
Interconnection Cables - 70mm <sup>2</sup> , Water-Cooled, 32.8 ft. (10 m)	0459836892
Interconnection Cables - 70mm <sup>2</sup> , Water-Cooled, 49.2 ft. (15 m)	0459836893
Interconnection Cables - 70mm <sup>2</sup> , Water-Cooled, 82 ft. (25 m)	0459836894
Interconnection Cables - 70mm <sup>2</sup> , Water-Cooled, 114.8 ft. (35 m)	0459836895

## Compatible Wire Feeders



Warrior Feed 304



Warrior Feed Dual 304



Warrior Feed 404HD

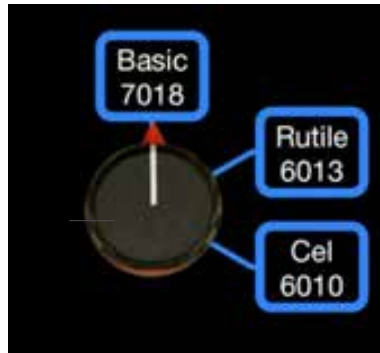


Warrior YardFeed 200



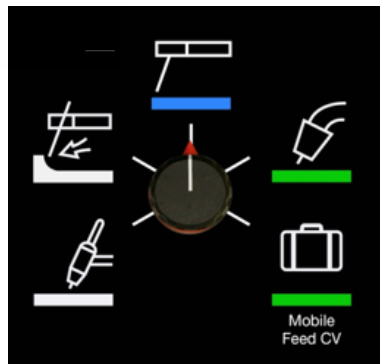
Mobilemaster 201AVS/301AVS

# Warrior™ 500i



**SMAW**

- Constant Current
- Conactor "ON" w/ Arc Force



**Arc Force**

- Used for SMAW
- Negative Trim = Soft Arc
- Positive Trim = Digging Arc

**Inductance**

- Used for GMAW Short Arc
- Negative Trim = Crisp
- Positive Trim = Soft

**Basic 7018**

- Slower Response
- Narrower Arc Force
- Less Driving Arc

**Rutile 6013**

- Medium Response
- Narrower Arc Force
- Less Driving Arc

**Cel 6010**

- Fast Response
- Wider Arc Force
- More Driving Arc

**ACAG**

- Constant Voltage
- (Modified) Conactor "ON"

**GTAW**

- Constant Current
- Conactor "ON" Live TIG Start

**GMAW/FCAW**

- Constant Voltage
- Conactor "Remote" w/ Inductance and Short Circuit Termination

**MobileFeed CV**

- Constant Voltage
- Conactor "ON" w/ Inductance



ESAB / [esab.com](http://esab.com)

