



## Thermal Arc® Portable DC Welders



Thermal Arc®  
Portable  
DC Welders

THERMAL ARC

HIGH OUTPUT.

HIGH DUTY CYCLE.

READY TO PERFORM.

### Stick/TIG Inverter Line

Thermal Arc® offers a complete line of Stick/TIG Inverter based machines that deliver from 95 Amps to 200 Amps of superior welding power. The full line includes the Thermal Arc 95S, 161S, 201TS, and the new 186 AC/DC. From light-duty to heavy-duty applications there's a Thermal Arc Portable DC Welder that's perfect for you.

These welders are lightweight and compact in size, making it easy for them to move from job to job. The Thermal Arc Stick/TIG line provides fully featured, easy to use machines, delivering higher output and duty cycles with professional performance. The price, power and portability of these machines give you the ability to tackle almost any job.



95 S



161 S



201 TS



186 AC/DC



# 95 S INVERTER

PORTABLE DC WELDER

# 161 S INVERTER

PORTABLE DC WELDER

# 201 TS INVERTER

PORTABLE DC WELDER

# 186 AC/DC INVERTER

PORTABLE AC/DC HF TIG SYSTEM



MACHINE SPECIFICATIONS	
Type: Constant Current	DC Stick & TIG Welder
Maximum Output	95A
Welding Amperage Range 115V	Stick 5-90A / TIG 5-95A
Welding Amperage Range 230V	N/A
Rated Output: Stick 115V, 15A	60A / 22.4V @ 45%
TIG 115V, 15A	85A / 13.4V @ 25%
Stick 115V, 20A	90A / 23.6V @ 20%
TIG 115V, 20A	95A / 13.8V @ 20%
Nominal OCV Volt/DC	60V
Power Source Dimensions: (H x W x D)	9.0" (229 mm) x 5.1" (130 mm) x 13.0" (330 mm)
Power Source Weight	9.7 lbs (4.4 kg)
Warranty	1 Year
PRIMARY POWER	
Primary Voltage	115V
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP23S
Approvals	EN 60974-1, ETL Intertek 3163339

MACHINE SPECIFICATIONS	
Type: Constant Current	DC Stick & TIG Welder
Maximum Output	160A
Welding Amperage Range 115V	Stick & TIG 10-110A
Welding Amperage Range 230V	Stick & TIG 10-160A
Rated Output: Stick 115V, 15A	75A / 23.0V @ 60%
TIG 115V, 15A	100A / 14V @ 60%
Stick 115V, 20A	100A / 24V @ 35%
TIG 115V, 20A	110A / 14.4V @ 50%
Stick 230V	160A / 26.4V @ 30%
TIG 230V	160A / 16.4V @ 30%
Nominal OCV Volt/DC	71V
Power Source Dimensions: (H x W x D)	9.0" (229 mm) x 5.3" (135 mm) x 15.5" (394 mm)
Power Source Weight	17.4 lbs (7.9 kg)
Warranty	3 Years
PRIMARY POWER	
Primary Voltage	115/208-230V
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP21S
Approvals	EN 60974-1, ETL Intertek 3163339

MACHINE SPECIFICATIONS	
Type: Constant Current	DC Lift TIG & Stick Welder
Maximum Output	200A
Welding Amperage Range 115V	Stick 10-125A / TIG 10-160A
Welding Amperage Range 230V	Stick & TIG 10-200A
Rated Output: Stick 115V, 15A	70A / 22.8V @ 60%
TIG 115V, 15A	110A / 14.4V @ 60%
Stick 115V, 20A	100A / 24V @ 45%
TIG 115V, 20A	125A / 15V @ 50%
Stick 230V	200A / 28.0V @ 20%
TIG 230V	200A / 18.0V @ 20%
Nominal OCV Volt/DC	71V
Power Source Dimensions: (H x W x D)	9.0" (229 mm) x 5.3" (135 mm) x 17.7" (450 mm)
Power Source Weight	21.6 lbs (9.7 kg)
Warranty	3 Years
PRIMARY POWER	
Primary Voltage	115/208-230V
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP21S
Approvals	EN 60974-1, ETL Intertek 3163339

MACHINE SPECIFICATIONS	
Type: Constant Current	DC Lift TIG & Stick Welder
Maximum Output	200A
Welding Amperage Range 230V	Stick & TIG 10-200A
Rated Output: TIG (GTAW)	200A / 18V @ 20% Duty Cycle 180A / 17.2V @ 25% Duty Cycle 150A / 16V @ 35% Duty Cycle
Stick (SMAW)	170A / 26.6V @ 16% Duty Cycle 150A / 26V @ 25% Duty Cycle
Maximum OCV	70.3 VDC / 50 VAC
Power Source Dimensions: (H x W x D)	15.75" (400 mm) x 9.45" (240 mm) x 18.7" (475 mm)
Power Source Weight	48.4 lbs (22 kg)
Warranty	3 Years
PRIMARY POWER	
Primary Voltage	208-230 VAC
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP23S
Approvals	CSA E60974-1-00 / UL60974-1 / IEC 60974-1

### Stick Welding Package (Part No. W1003202)

- \* Thermal Arc® 95 S inverter welding power source
- \* Tweco® style electrode holder with 10 ft (3 m) lead
- \* Tweco style ground clamp with 10 ft (3 m) lead
- \* 20 Amp adapter plug & cable
- \* Operating manual
- \* Quick set-up DVD
- \* General Purpose Stick Electrodes (E6013)
- \* Carry case

### Stick/TIG Package (Part No. W1003203)

- INCLUDES ALL ITEMS ABOVE PLUS:**
- \* 17V style TIG torch 10 ft (3 m) & accy. kit
  - \* Argon regulator / flow gauge

### Stick Welding Package (Part No. W1003603)

- \* Thermal Arc® 161 S inverter welding power source
- \* Tweco® 200 Amp electrode holder with 13 ft (4 m) lead
- \* Tweco 200 Amp ground clamp with 10 ft (3 m) lead
- \* Adapter plug from 230V 50 Amp to 115V 15 Amp circuits
- \* Operating manual
- \* Product family overview DVD
- \* General Purpose Stick Electrodes (E6013)
- \* Carry case
- \* 17V style TIG torch 12.5 ft (3.8 m) & accy. kit
- \* Victor® Argon regulator / flow gauge

### Stick/TIG Package (Part No. W1003801)

- \* Thermal Arc® 201 TS inverter welding power source
- \* Tweco® 200 Amp electrode holder with 13 ft (4 m) lead
- \* Tweco 200 Amp ground clamp with 10 ft (3 m) lead
- \* 26 style TIG torch w/integrated controls 12.5 ft (3.8 m) & accy. kit
- \* Victor® Argon regulator / flow gauge
- \* Gas hose
- \* Adapter plug from 230V 50 Amp to 115V 15 Amp circuits
- \* Operating manual
- \* Product family overview DVD
- \* General Purpose Stick Electrodes (E6013)
- \* Carry case

### Stick/TIG Package (Part No. W1006301)

- \* Thermal Arc® 186 AC/DC Power Supply
- \* TIG Torch & Accessories, 26 Style with integrated controls (3 control modules included), 13 ft (4 m)
- \* Tweco® 200 Amp Electrode Holder with 13 ft (4 m) Lead
- \* Tweco 200 Amp Ground Clamp with 10 ft (3 m) Lead
- \* Victor® Argon Flow Gauge & 12.5 ft (3.8 m) Hose
- \* 9 ft (2.75 m) Power Cord and NEMA 6-50P 230V AC Plug
- \* Operators Manual & CD (not shown)
- \* General Purpose Stick Electrodes (E6013)
- \* Shoulder Strap

### Stick/TIG Package w/Foot Control (Part No. W1006303)

### Stick/TIG Package w/Foot Control & Utility Cart (Part No. W1006304)

