

# Workhorse 300MS & 300SMP

## 300 Amp MIG/STICK Inverter Power Source



- Portable and Lightweight for Industrial Welding
- 400 Amps at 36 VDC Maximum Three-Phase
- 300 Amps at 32 VDC 60% Duty Cycle Three-Phase
- 250 Amps at 30 VDC 100% Duty Cycle Three-Phase

### BENEFITS

- Good Initial Penetration
- Lightweight, Portable
- Auto Hot Start
- Smooth, Stable Arc
- Reliable SCR Inverter
- 100% Corrosion Protected
- Arc Gouging Capable
- High Power Efficiency
- Low DC Ripple Output
- 5-Zones of Thermal Protection
- Rugged Fiberglass Case with/built-in stackable skids
- Simple & Easy Set-up
- No programming required



MANUFACTURED BY

**MIRABEL**  
INDUSTRIAL WELDING EQUIPMENT

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### FEATURES

- Puddle Control for GMAW welding
  - Command arc for spatter-free welding
  - Arc Force for SMAW allows the operator to adjust the current surge
  - Current/Time controlled cooling fan reduces dust in the welder
  - Bright, easy to read digital display
  - Real-time output Voltage or Current
  - 14-pin Remote for \*24VAC and 115VAC wirefeeder and accessories
  - Stick welding current from 30 to 400 Amps in 2 ranges
  - Models available in 208-240V single or three phase, 400V, 480V, 575V or FlexiVolt (208-480V) primary voltage
- \*42VAC option available

- **PROVEN RELIABILITY**
- **RUGGED CONSTRUCTION**
- **GREAT WELDING CHARACTERISTICS**

# 300MS & 300SMP Specifications

Primary Input	Rated Welding Current (Amps) @ Duty Cycle	Welding Range Amps	Open Circuit Voltage	Input Amperes at Rated Load Output 50/60 Hz				KVA KW	Efficiency	Physical Dimensions	Weight	
				240	400	480	575				Net	Ship
Three Phase	400A @ 29% 300A @ 60% 250A @ 100%	Range 1 30-180A	80 Max.	37	25	20	18	14.9 12.05	79.60%	Height: 17.9" 45.5cm Width: 10.5" 26.7cm Depth 19.5" 49.5 cm	Approx. 80lbs. 36.3 kg.	Approx. 90lbs. 41.0kg.
Single Phase	200A @ 100% 28V	Range 2 80A - 400A		45	NA	NA	NA	NA	NA			

208-480V FLEXIVOLT OR 240V, 400V, 480V & 575 V SINGLE VOLTAGE

**POWER ON INDICATOR**

**PROCESS SWITCH**

*The Workhorse product line is designed for ruggedness and portability in high volume production and construction. All the Workhorse power sources weigh about 80 pounds, feature a built-in circuit breaker, and provide thermal protection. Small sizes allow more workstation flexibility without the need for facility expansion. Modern 14 pin remote connector accepts a wider variety of wire feeders and spool guns with 24VAC/42VAC, and 115VAC power.*



**RANGE SWITCH**

**WELD CURRENT**

**ARC FORCE**



**CIRCUIT BREAKER (POWER ON/OFF)**

**FAN CONTROLLED VENTILATION**

**WELDING TERMINALS**

**REMOTE CONTROL CONNECTOR**

**CIRCUIT BREAKER FOR WIRE FEEDER**

**INPUT POWER CORD 12 FT (3.65M) STANDARD**

Product Specifications are subject to change without notice.

Additional information is available from the Distributor listed below.

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INDUSTRIAL WELDING EQUIPMENT

Some of our other products:



Workhorse 300SMT Multi-Process CC/CV



Workhorse 300S Stick/Lift Start TIG



Workhorse 300SH Combined Preheater & Welder



Workhorse 300ST ArcStarter TIG



Studhorse 1200DM & 1500DM Stud Welders



Ironhorse 300S 700V DC Input