



WB-W400 Digital AC MIG Inverter Welding Power Supply

The WB-W400 is a special digital inverter welder capable of running in both AC and DC welding modes. Welding in AC mode allows the user to adjust the input heat for the weld, allowing for bridging large gaps. The WB-W400 is part of the Welbee Series of OTC DAIHEN digital inverter welding power supplies. All Welbee welding power supplies have built-in CAN interfaces and are optimized to perform with the FD11 robot controller, resulting in the highest possible degree of control.

Item	Specification
Name	WB-W400
Welding Modes	AC Wave Pulse MIG / DC Wave Pulse MIG / AC Pulse Mig / DC Pulse Mig / DC Pulse MAG
Number of Phases	Three Phase
Rated Input Voltage (Auto-Select)	460 $\pm$ 10% (50/60Hz)
Rated Input	19.4kVA (14.8kW)
Rated Output Current	400/350 A
Rated Load Voltage	34 V / 31.5 V
Rated Output Current Range	400 A
Rated Output Voltage Range	12-34 V
Maximum No-Load Voltage	107 V
Rated Duty Cycle	40% / 100%
Temperature Rise	+320° F (160° C)
External Dimensions	15.6" x 28.0" x 32.9" (395mm x 710 mm x 835 mm) (w/o eyebolt)
Weight	189.6 lbs. (86.0 kg)

W400 Key Features and Benefits

AC MIG Technology

AC MIG applies electrode positive (EP), and electrode negative (EN) output to create more heating of the filler wire, and less heat input to the base material. This allows you to easily weld thin materials and bridge gaps previously not possible.

Ultra-fast Pulsed Welding

In addition to standard CV mode, the WB-W400 provides industry-leading pulse welding schedules for a variety of metals and thicknesses, including aluminum and brazing.

User-Friendly Interface

The WB-W400 is operated via a simple interface that revolves around a single knob that adjusts the voltage and current (wire speed) and visual buttons. A large LED is used to display settings and weld parameters. The buttons can easily be pushed even while wearing welding gloves.

Constant Penetration Control Function

The WB-W400 comes standard equipped with a Constant Penetration Control Function, which allows for uniform penetration throughout the weld. This function allows you to maintain superior weld integrity over your competition.

Other Key Features & Specifications

- Standard Aluminum & Stainless Steel welding modes.
- Improved welding support for thin plate aluminum via improved AC welding mode.
- Synchro-MIG function allows for optimized welding of different plate thicknesses.
- AC Pulse and Wave Pulse modes provide beautiful welds with reduced soot.
- 100 kHz Digital Inverter.
- Improved instant arc start ratio.
- 100 job memory for semi-automatic and retrofit use.
- 3 speed "Fan on demand" IGBT switching circuit.

