



## WB-M500 Inverter Welding Power Supply

The standard welding supply for high quality welding in any situation. Provides significant improvement in arc stability in the range of low to high electric currents. Delivers a beautiful weld bead with a uniform bead end and less voltage fluctuation, even during high-speed welding.

| Item                         | Specification                                               |
|------------------------------|-------------------------------------------------------------|
| Model                        | WB-M500                                                     |
| Number of phases             | 3                                                           |
| Rated frequency              | 50/60Hz                                                     |
| Rated input voltage          | 460V                                                        |
| Input voltage range          | V±10%                                                       |
| Rated input power            | 25.2kVA 22.9kW                                              |
| Rated input current          | 31.7A                                                       |
| Rated output current         | 500A                                                        |
| Rated load voltage           | 39.0V                                                       |
| Rated output current range   | 30 - 500A                                                   |
| Rated output voltage range   | 12.0 - 39.0V                                                |
| Maximum no-load voltage      | 81V                                                         |
| Rated duty cycle             | 100%                                                        |
| Number of welding conditions | 100                                                         |
| Operating temperature range  | 14° F to 104° F (-10 to +40° C)                             |
| Operating humidity range     | less than 50%, 104° F (40° C), less than 90%, 68° F (20° C) |
| Storage Temperature Range    | -13° F to +131° F (-25 to +55° C)                           |
| Storage humidity range       | less than 50%, 104° F (40° C), less than 90%, 68° F (20° C) |
| Dimensions (W x D x H)       | 15.6 x 28.0 x 31.9 in. (395 x 710 x 810mm)                  |
| Mass                         | 170 lbs (77kg)                                              |
| Rated output current         | 400A                                                        |
| Rated load voltage           | 26.0V                                                       |
| Rated output current range   | 10 - 400A                                                   |
| Rated duty cycle             | 100%                                                        |
| Rated output current         | 300A                                                        |
| Rated load voltage           | 32.0V                                                       |
| Rated output current range   | 20 - 300A                                                   |
| Rated duty cycle             | 100%                                                        |

### WB-M500 Key Features & Benefits

- Optimum welding current control depending on intended use  
(Standard Mode - High Speed Mode - Extension Cable Mode)
- High duty cycle for high output and automated applications
- Uniform and beautiful bead appearance with low spatter
- Digital Turbo Start and End Pulse function provide excellent arc starts

### Common features of all Welbee models:

- High speed welding mode
- Side air flow structure
- Standard USB port
- Optional Android tablet, weld data monitoring and networking
- Built-in interface for easy connection with FD-Series robots
- Multi-Process: GMAW - FCAW - GTAW - SMAW

