



## WB-P500L Low Spatter, Pulse Wave, Inverter Welding Power Supply

Achieve optimum welding performance on steel, stainless steel, and aluminum. Significantly reduces spatter generation across the entire range of low to high welding currents. Delivers high-quality pulse welding by performing optimized waveform control according to materials.

| Item                         | Specification                                               |
|------------------------------|-------------------------------------------------------------|
| Model                        | WB-P500L                                                    |
| Number of phases             | 3                                                           |
| Rated frequency              | 50/60Hz                                                     |
| Rated input voltage          | 460V                                                        |
| Input voltage range          | 460V<br>±10%                                                |
| Rated input power            | 25.2kVA, 24.1kW                                             |
| Rated input current          | 31.6A                                                       |
| Rated output current         | 500A(DC), 400A(Pulse)                                       |
| Rated load voltage           | 39.0V(DC), 34.0V(Pulse)                                     |
| Rated output current range   | 30 - 500A                                                   |
| Rated output voltage range   | 12.0 - 39.0V                                                |
| Maximum no-load voltage      | 91V                                                         |
| Rated duty cycle             | 60%(DC), 80%(Pulse)                                         |
| 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                         | 178.6 lbs (81kg)                                            |
| Rated output current         | 400A                                                        |
| Rated load voltage           | 26.0V                                                       |
| Rated output current range   | 10 - 400A                                                   |
| Rated duty cycle             | 93%                                                         |
| Rated output current         | 300A                                                        |
| Rated load voltage           | 32.0V                                                       |
| Rated output current range   | 20 - 300A                                                   |
| Rated duty cycle             | 100%                                                        |

### WB-500L Key Features & Benefits

- CBT-EX extra low spatter mode for carbon and stainless steels
- Reduced undercut during high speed welding
- High duty cycle for high output and automated applications
- J-Solution™ option for exceptional weldability of zinc coated steels

### 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

