



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 ±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)	
For DC TIG	Rated output current	400A
	Rated load voltage	26.0V
	Rated output current range	10 - 400A
	Rated duty cycle	93%
For DC STICK	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

