



500W Blue Diode Laser

BDL-CW500-E300



FEATURES:

- ◆ Good power stability
- ◆ Good system reliability
- ◆ Easy-to-use control
- ◆ Max modulation frequency up to 5kHz

APPLICATION:

- ◆ Laser Welding
- ◆ Laser Cladding
- ◆ Surface treatment
- ◆ Lithium battery manufacturing

Compared with traditional laser products, BWT blue diode laser has a higher absorption rate for materials such as copper and aluminum, and can process non-ferrous metals with lower power. BWT blue laser is a more compact and easy-to-use product. With flexible laser output mode, it can be integrated into the processing system conveniently.

BWT blue lasers can be used in wide application like welding, cladding, surface treatment, lithium-ion battery manufacturing, etc.

BWT professional laser application team, with good knowledge and experience, provides the best laser system solution for our customers all around the world.



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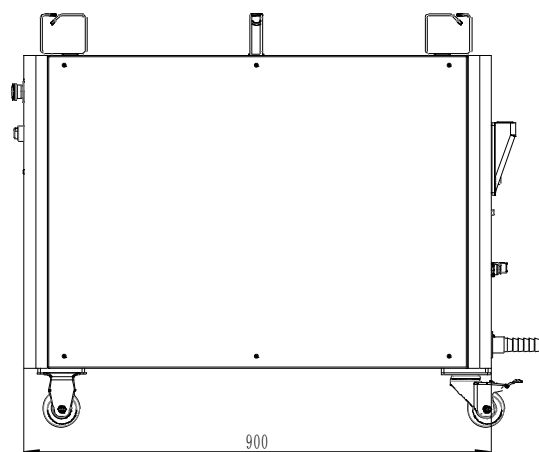
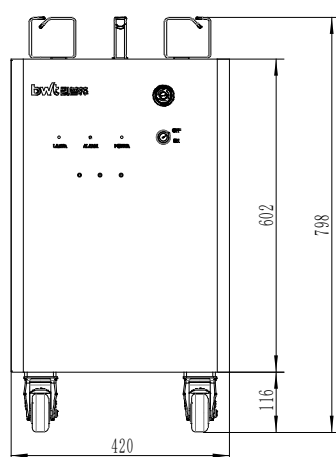
Optical Character	
Power	500 W
Wavelength	450±10 nm
Output Fiber Core Diameter	330 μm
Output Cable Length	10 m
Output Cable Connector	QBH
Aiming Beam	Red
Operation Mode	CW or modulation
Polarization	Random
Power Stability (25°C)	< ±1.5% (2h)
Power Adjustment Scope	10%-100%
Max Modulation Frequency	5kHz
Size and Weight	
Physical Size (H×W×D)	798mm*420mm*900mm
Weight	<130 kg
Electronic Character	
Power Supply	380±20 V, AC, PE, 50/60 Hz
Power Consumption	3.5 kW
Control Interface	RS232/AD
Water Cooling Parameters	
Minimum Water Cooling Capacity	3.0 kW
Temperature Settings	25°C (Laser Module), 30°C (QBH)
Cooling Tubes Size	I.D. Φ25 mm
Cooling Water Flow Rate (Laser)	>20 L/min
Cooling Water Flow Rate (QBH)	1.5~2.0 L/min



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DIMENSIONS (mm)



Declaration: information and specifications contained herein are deemed to be reliable and accurate. BWT Tianjin Ltd. reserves the right to change, alter or modify the design and specifications of these products at any time without notice.