

## 450nm 2000W High Power Diode Laser

MODEL: BDL-CW2000-E600



### Features:

- ◆ Excellent power stability
- ◆ Two modes: continuous and modulated pulse
- ◆ Maximum modulation frequency up to 5kHz
- ◆ Excellent system stability
- ◆ Simple control interface

### Applications:

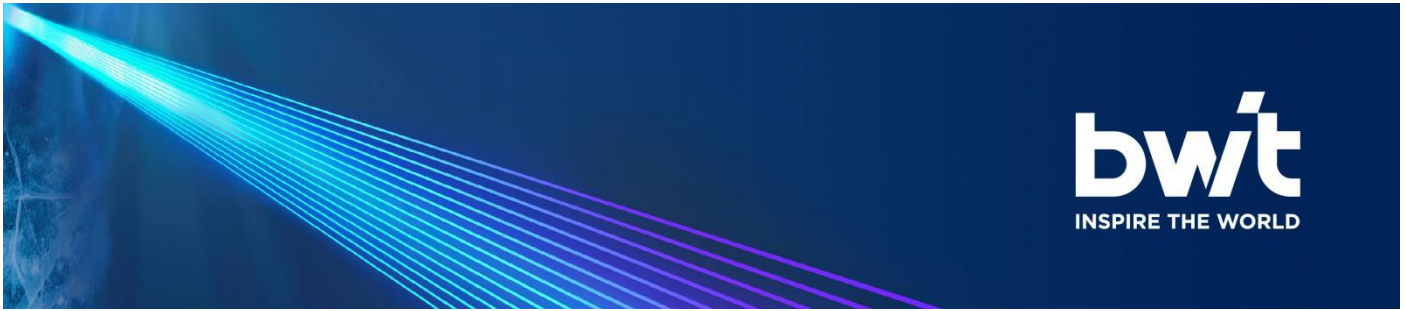
- ◆ 3D printing
- ◆ surface treatment
- ◆ welding
- ◆ Lithium battery processing

Compared with traditional lasers, the BDL-CW500W blue laser has a higher absorption rate for copper, aluminum and other materials. It can process nonferrous metals with lower power. It is compact in structure and easy to use.

BWT, founded in 2003, is committed to the mission of "let the dream drive the light", the vision of becoming the "Global leader in laser solutions", and the value of "Outstanding innovation", providing diode laser, fiber laser, ultra-fast laser products and solutions to global customers.

The company pursues continuous innovation and insists on autonomous and controllable advanced process and technology. With Beijing headquarters as the core, BWT has successively established production and R&D centers in Jiangsu, and Shenzhen, and invested in the construction of an intelligent and digital production base in Tianjin. To build a high level of technical strength and product quality, BWT set up a German subsidiary in 2020, introducing European quality standards, and taking a solid step for the internationalization of R&D, production and technological innovation.

Optical Character

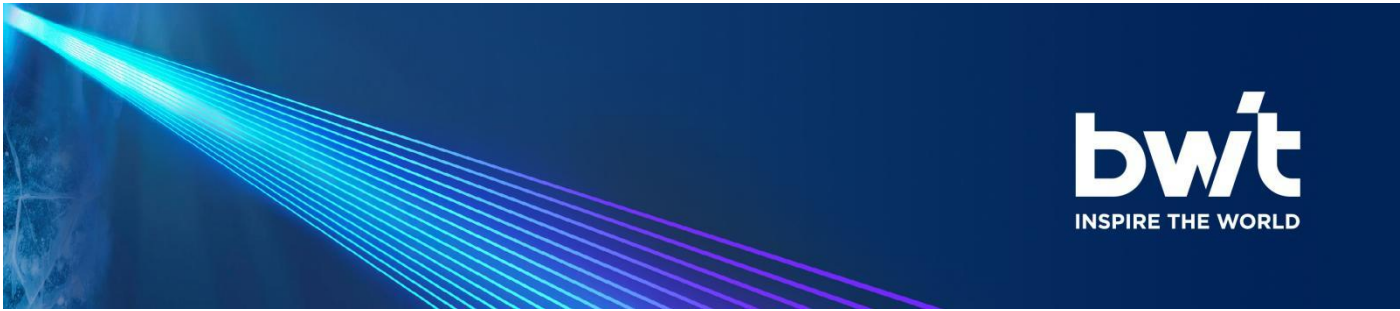


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**MODEL: BDL-CW2000-E600**

Power	2000W
Wavelength	450±10 nm
Output fiber core diameter	600µm
Cable Length	5m or Customized
Beam Delivery	QBH or Customized
Guide Beam	Red
Operation Mode	Continuous or Modulated
Polarization	Random
Power Stability (25°C)	<3% (2h)
Power Adjustment Scope	10%-100%
Max. Modulation Frequency	5kHz
<b>Size and Weight</b>	
Weight	<140Kg
Outline Feature	800mm*750mm*1200mm
<b>Electronic Character</b>	
Voltage	(three Phase),380±20V,AC,PE,50/60Hz
Power Consumption	10.0 kW
Control Interface	RS232
<b>Water Cooling Parameters</b>	
Mini. Water Cooling Capacity	8.0 kW
Temperature Settings	25°C (Laser Module) ,30°C (QBH)
Cooling Tubes Size( Inner)	32mm
Cooling Water Flux	>50 L/min
QBH Cooling Water Flux	1.5~2.0L/min

Note: The return light will affect the performance and life of the direct semiconductor laser, so it is necessary to use the output laser 8° - 10° away from the vertical direction of the worktable.



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MODEL: **BDL-CW2000-E600**

### Package Dimensions (mm)

