

6000W High Power Diode Laser

BDL-CW6000



FEATURES:

- ◆ Good power stability
- ◆ Good system reliability
- ◆ Easy-to-use control
- ◆ Cost effective and maintenance free

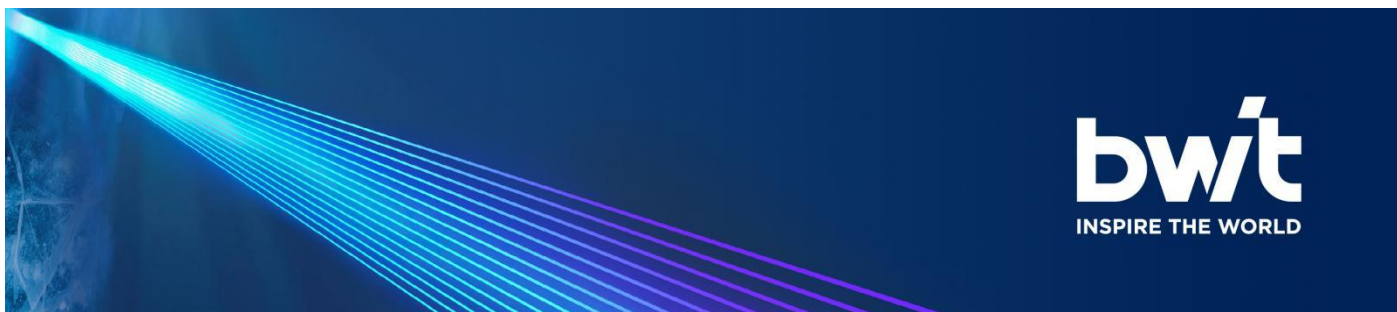
APPLICATION:

- ◆ Laser Welding
- ◆ Laser Cladding
- ◆ Surface treatment
- ◆ Laser edge banding

BWT high power diode lasers have high electro-optical efficiency and lower power consumption compared to traditional lasers. Due to the flexible fiber output, BWT high power diode lasers can easily integrated to the equipment. The two operation modes, CW and modulation, minimize heat-affected zone. Reliable performance, modular and all-fiber design, and robust case enclosing all optical and electronic components ensure that they can be used under strict industrial conditions.

BTW high power diode lasers can be used in wide application like laser welding, laser cladding, surface treatment, laser edge banding, etc. The lasers can process various types of metal.

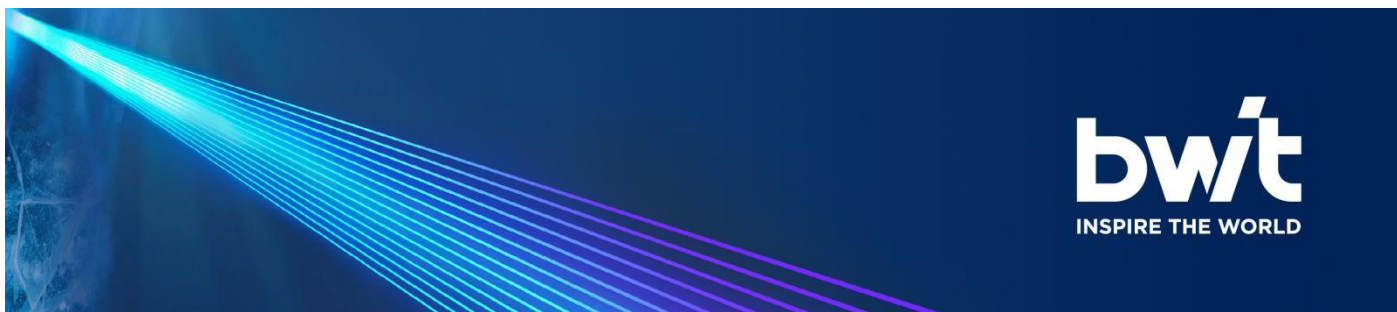
BTW professional laser application team, with good knowledge and experience, provides the best laser system solution for our customers all around the world.



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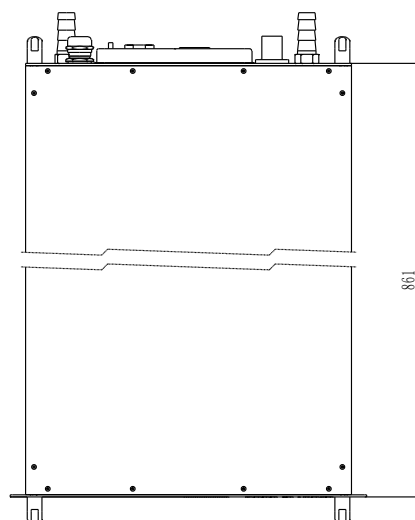
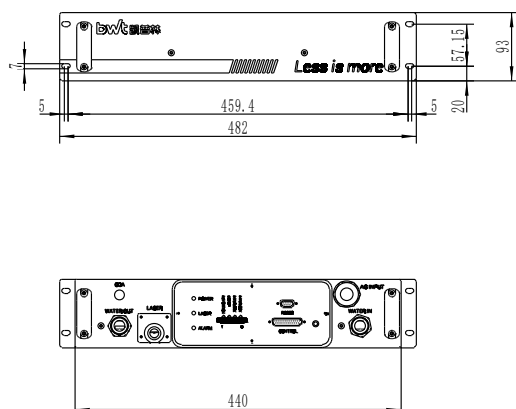
Optical Character	
Power	6000W
Wavelength	950±50 nm
Output Fiber Core Diameter	1000 μm
Output Cable Length	15m or customized
Output Cable Connector	QBH
Aiming Beam	Red
Operation Mode	CW or modulation
Polarization	Random
Power Stability (25°C)	< ±1.5% (2h)
Power Adjustment Scope	10%-100%
Max Modulation Frequency	5kHz
Size and Weight	
Physical Size (H×W×D)	93mm*482mm*861mm
Weight	67 kg
Electronic Character	
Power Supply	380±20 V, AC, PE, 50/60 Hz
Power Consumption	18.0 kW
Control Interface	RS232/AD
Water Cooling Parameters	
Minimum Water Cooling Capacity	13.0 kW
Temperature Settings	25°C (Laser Module), 30°C (QBH)
Cooling Tubes Size	I.D. Φ25 mm
Cooling Water Flow Rate (Laser)	>55 L/min
Cooling Water Flow Rate (QBH)	1.5~2.0 L/min



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DEMINSIONS (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.