Lightning Series Fiber Laser

BFL-CW6000



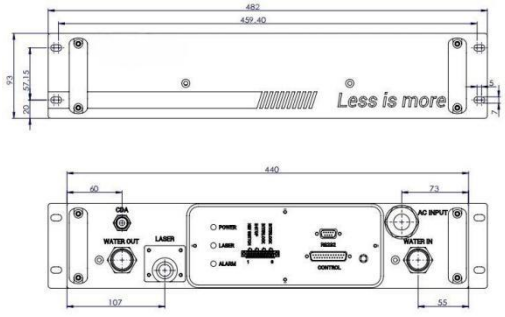
Features:

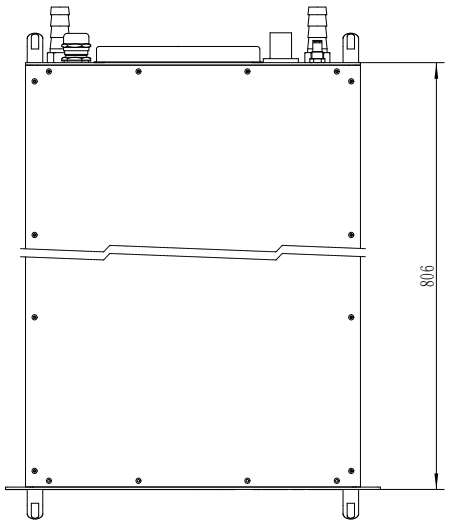
- Good beam quality
- Excellent power stability
- Excellent system reliability
- Easy-to-use control

Applications:

- Precision cutting
- Precision welding
- Laser cleaning
- Sheet metal processing

Package Dimensions (mm)





Hyperline Lightning series fiber lasers have Good beam quality, and the beam can be focused close to the diffraction limit, which makes them perfect choices for precision processing. 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.

Hyperline Lightning series fiber lasers can be used in wide application like precision processing, laser cleaning, sheet metal processing, lithium-ion battery manufacturing, etc. The lasers can process various types of metal, including aluminum-based and nickel-based alloys, titanium alloys and alumina ceramics.

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Specifications		Unit	Typical
Optical Data	Output Power	W	6000
	Wavelength	nm	1080±10
	Fiber Core Diameter	μm	50 or customized
	Fiber Length	m	25 or customized
	Fiber Connector	-	QBH
	Aiming Beam	-	Red
	Polarization	-	Random
	Power Stability（25℃）	-	＜3%（2h）
	Power Adjustment Scope	-	10-100%
Electrical Data	Operation Mode	-	CW or Modulation
	Max Modulation Frequency	kHz	5
	Power Supply	-	Three Phases, 380±20V, AC, PE, 50/60Hz
	Power Consumption	kW	18.0
	Control Interface	-	RS232/AD
Mechanical Data	Laser Size	mm	93H*482W*806D
	Laser Weight	kg	~46
Cooling Data	Min Water Cooling Capacity	kW	13.0
	Temperature	℃	Laser 22℃, QBH 30℃
	Cooling Tubes Size （I.D.）	mm	Φ25
	Cooling Water Flow Rate (Laser)	L/min	> 55
	Cooling Water Flow Rate (QBH)	L/min	1.5~2

Declaration : information and specifications contained herein are deemed to be reliable and accurate. Hyperline reserves the right to change, alter or modify the design and specifications of these products at any time without notice.26-07

