



Multi-mode Fiber Laser

YLIM-50000-W

YLIM-50000-W EO conversion efficiency is high, design redundancy, long-term use of low attenuation rate, using multi-module design, can achieve module independent control, is a compact volume, good beam quality, maintenance-free high power fiber laser, with excellent thick plate cutting performance, air cutting faster, higher perforation efficiency.

Advantages

- Each single module, separately control, lower machine halt risk
- ABR technology for various high-reflective material
- Multi-mode design, optimized optical fiber coupling technique, lower fault rate
- More power margin, more stability

Applications

Widely used in laser cutting, laser welding, laser cladding, laser brazing, laser surface heat treatment, etc., the application of hardware, medical, automotive, shipbuilding, aviation, construction machinery and other fields.

GW's standard certification laser series is based on professional performance, and the design standards pursue parity with international first-line brands. For the international market and high-end user groups, the product design meets the relevant international certification standards, and provides global service network protection services.

- 976nm high efficiency pumping technology, EO efficiency $\geq 42\%$
- CHF technology, improve cutting speed and meet cutting consistency requirements
- ABR anti-reflection design, suitable for a variety of high reflective materials processing applications
- The output core diameter can be customized to meet the application requirements of multiple scenarios



EO conversion efficiency $\geq 42\%$



Easily process high anti materials



Power closed loop control

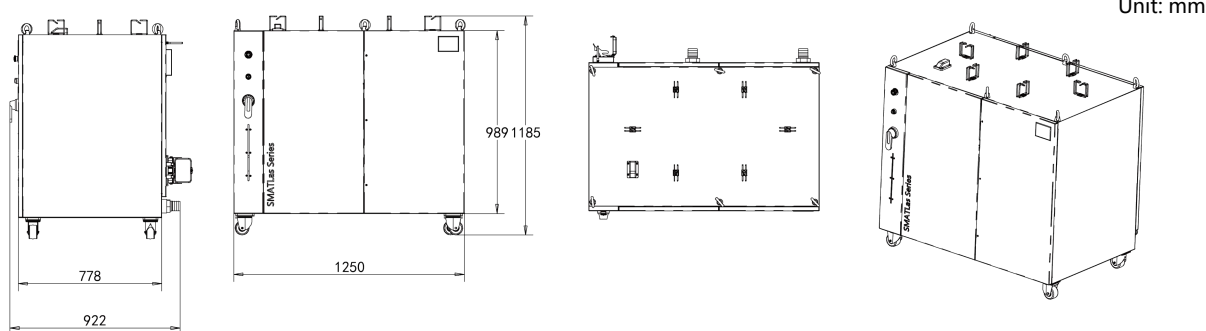


Custom waveform output

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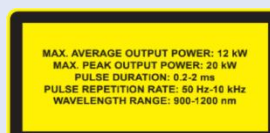
Product specification parameter	YLIM-50000-W
Output Power (watt)	50000
Operating Mode	CW/Pulse/Built-in program
Output Power Range (%)	1-100
Output Laser Wavelength (nm)	1070±10
Beam Quality	BPP≤6
Interface Type	Q+
Delivery Fiber Core Diameter (conventional configuration, optional)	150um
Cooling Method	Water-cooling
Ambient Temperature Range (°C)	5-45
Input Voltage	380VAC/50Hz
Dimension (mm)	922x 1250 x 1185 (L×W×H)
Weight (kg)	< 1200



Legal Notice: All product information is believed to be accurate and subject to change without notice.

Legal statement:

GW smart fiber laser products are designed in strict accordance with safety regulations. All production is in accordance with international standards and regulations currently in force in the country. Each GW laser has a warning sign as shown in the figure.



GW(Shanghai) Laser Technology Co.,Ltd. Tel: +86 2139721122 Email: sales@gwlaser.tech

Web: www.gwlaser.tech Addr: Building 5-1, No.398, Shuanglian Road, Xujing Town, Qingpu District, Shanghai