GW LASER TECH™



QCW Fiber Laser

YLP-QCW-400/4000-W

YLP-QCW-400/4000-W quasi-continuous fiber lasers with a variety of compatibility and control modes, and flexible and adjustable pulse width waveform, are ideal for long pulse, high energy applications. In precision metal cutting, ceramic cutting, drilling applications more delicate processing, higher precision.

Advantages

- High brightness, small focus spot size, higher precision
- High peak power, high single pulse energy, suitable for high inverse material cutting and spot welding
- Maximum modulation frequency is 50kHz and the minimum pulse width is 10us

Applications

It is widely used in 3C material cutting, power battery electrode welding, mobile phone antenna welding, long pulse drilling, ceramic cutting, fine welding and metal/non-metal fine cutting.

The professional performance laser series of GW is aimed at customers who have the pursuit of product performance indicators, the replacement of imported products or the product functionality requirements. Product design to the first-line brand, with better product performance indicators, perfect functions, design redundancy is greater, to provide customers with more value-added space.

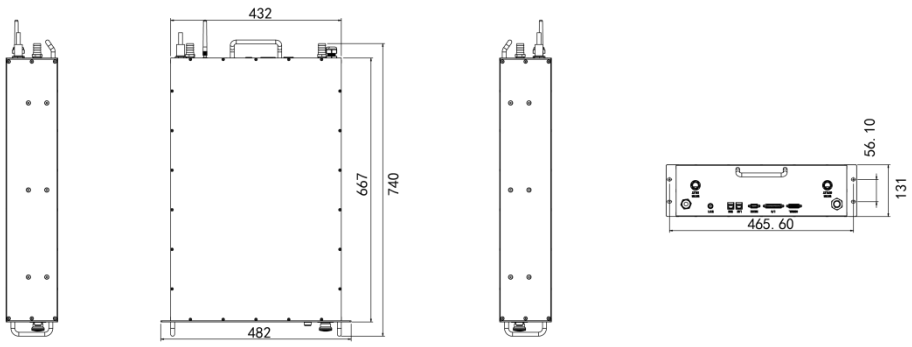
- QCW fiber lasers utilize relatively long, high-power laser pulses
- QCW lasers are generally more cost effective and productive in applications requiring low thermal input or high pulse energy
- Its peak power is about 10 times higher than that of the average CW laser

10X peak power	Up to 40J Pulse Energy	Support Remote ON LINE	Extensive interface services

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YLP-QCW-400/4000-W

Product specification parameter	YLP-QCW-400/4000-W
Central Wavelength (nm)	1080±10
Operating Mode	Pulse/CW
Modulation Frequency (kHz)	50
Maximum Continuous Mode Power(W)	400
Maximum Pulse Mode Peak Power(W)	4000
Maximum Pulse Mode Average Power(W)	400
Maximum Pulse Energy(J)	40
Pulse Width(ms)	0.01～50
Delivery Fiber Core Diameter	＜1.3@20μm； ＜5@50μm； ＜20@200um
Optical Cable Length(m)	5@20um；15@50um；15@200um
Cooling Method	Water-cooling
Ambient Temperature Range (℃)	5-45
Input Voltage	380VAC/50Hz
Dimension (mm)	667 x 432 x 131 (L×W×H)
Weight (kg)	＜60



Unit: mm

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.



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