GW LASER TECH™



# Semiconductor Laser

## DLPS-7000-W

The high-power fiber-coupled semiconductor laser system has a higher photoelectric conversion efficiency than the fiber laser, is a compact and efficient high-power laser, maintenance-free, suitable for use with automation equipment, laser flexible processing applications.

## Advantages

- EO conversion rate of more than 50%, energy saving and environmental protection;
- The output wavelength is short, the laser absorption rate of the work piece is higher;
- Spot energy evenly distributed, flat-top beam output;
- Mode can switch pulse mode and continuous mode;
- Diverse compatibility can be directly integrated into user devices, a wide range of applications.

## Applications

It can be used in cladding, surface heat treatment and brazing of metal materials, etc., applied in construction machinery, automobile body in white manufacturing, hardware, ships, aviation and other fields.

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.

- Save operating costs for users, reduce heat generation and extend the lifespan of equipment at the same time
- Flat-top beam output, spot energy evenly distributed
- The output core diameter can be customized to meet the application requirements of multiple scenarios

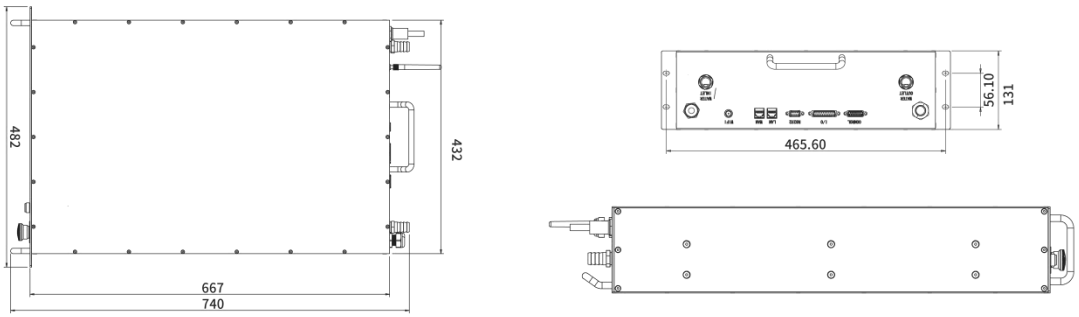
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|---|---|---|---|
| EO conversion efficiency≥50% | 1~100% power adjustable | 32 groups of waveform editing | Long life and stability |

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## DLPS-7000-W

| Product specification parameter | DLPS-7000-W |
|---|---|
| Output Power (watt) | 7000 |
| Operating Mode | CW/Pulse/self-set pulse mode |
| Output Power Range (%) | 1-100 |
| Output Laser Wavelength (nm) | 940±10 |
| Beam Quality | BPP≤45 |
| Interface Type | QBH |
| Delivery Fiber Core Diameter (conventional configuration, optional) | 800um |
| Cooling Method | Water-cooling |
| Ambient Temperature Range (℃) | 5-35 |
| Input Voltage | 380VAC/50Hz |
| Dimension (mm) | 482 x 740 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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