

CW Fiber Laser

Single Module

500 W

This compact, lightweight device features a high-efficiency photoelectric module, advanced electric control system, microsecond pulse response, and expert-level laser analysis for optimal performance and ease of use.



Features

- Compact structure, light weight and rich interfaces
- Mainly for the additive manufacturing industry (3D printing)
- Power range 500W to 1000W (core diameter 14μm, customizable)
- Single-mode/multi-mode adjustable laser spot supports the printing of large structural parts and complex details

Applications

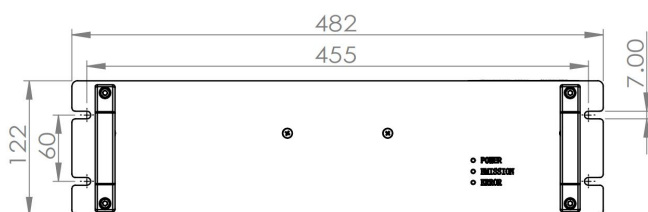


Parameters

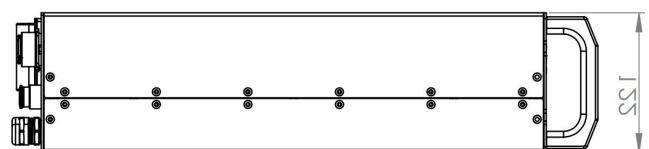
	CW Fiber Laser - Single Module
Optical Parameters	
Power	500 W
Wavelength	1080 nm
3DB Bandwidth	3 ± 1 nm
Output Connector	QBH / QCS
Output Fiber Diameter	14 μ m (Customizable)
Output Fiber Length	10 m (Customizable)
Electro-optical Conversion Rate	> 40 %
Power Stability	± 1 %
Beam Quality	$M^2 < 1.1$
General Parameters	
Operating Voltage	AC 220 V, 50 Hz
Control Mode	External Control Interface / Network Port / Bus Control
Cooling	Water Cooling
Physical Properties	
Console Dimensions	482 mm \times 512 mm \times 122 mm (including handles) (L \times W \times H)
Laser Weight	< 20 kg

* All specifications are typical data and subject to change without notice due to product improvements.

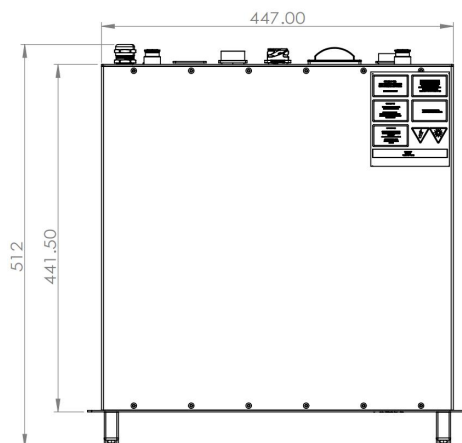
Laser Dimensions (mm)



Front View



Side View



Top View

