

FIBER LASER

CL-300-15-W

en | Data sheet | 1.1.1

- Water-cooled MOPA fiber laser 300 Watt
- Maximum peak pulse power 120 kW
- Maximum pulse energy 15 mJ @ 500 ns
- Frequencies up to 4000 kHz
- Developed for cleaning and ablation



Wavelength	1064 nm
Nominal output power	300 W
Laser operation mode	Pulsed
Beam quality (\leq)	12 M ²
Pulse frequency	1 – 4000 kHz
Full power frequency	20 – 4000 kHz
Max. peak pulse power	120 kW
Pulse width	2 – 500 ns
Max. pulse energy	15 mJ @ 500 ns
Power instability \varnothing	5%
Power tuning range	0 – 100%
Polarization	Random
Anti-reflective coating	Standard
Beam diameter D4 σ	7 mm ^[1]

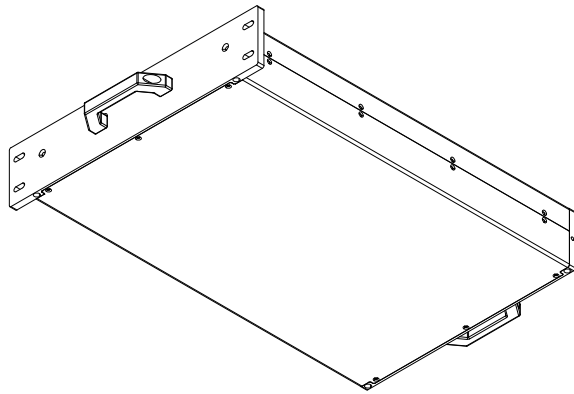
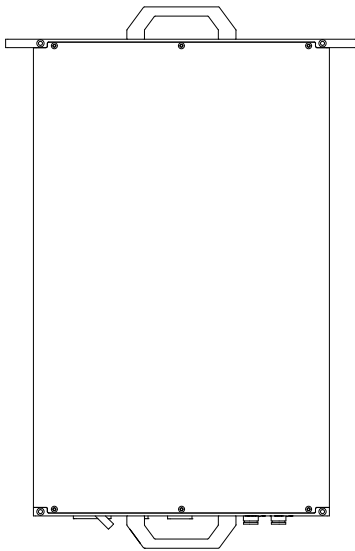
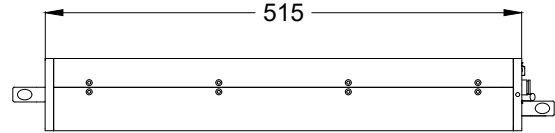
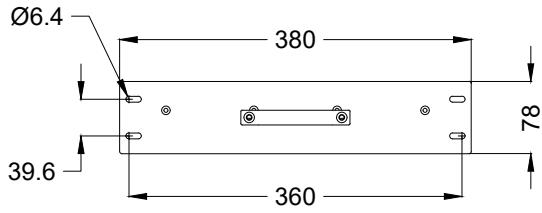
Fiber length	5 m ^[2]
Cooling method	Water
Cooling flowrate	8 l/min
Cooling power	1000 W
Aiming beam	Standard
Adjustable pulse width	Yes
House keeping function	Standard
Supply voltage DC	48 V
Current consumption	25 A
Power consumption @ 20°C	1200 W
Operation temperature	0 – 40 °C
Storage temperature	-10 – 60 °C
Mechanical dimensions (W × D × H)	515 × 78 × 380 mm
Net weight	17.6 kg

Product customizations are possible on request.

^[1] Other available beam diameters: 4 mm – 8.5 mm

^[2] Other available fiber lengths: 3 m / 7 m





Laser product
Class 4

JPT

Manufacturer

Fiber laser

CL-300-15-W

Dimensions are given in millimeters and are intended as reference values.
Binding information is available on request.

