

Q C W L A S E R

# QCW-300/3000MM-L

en | Data sheet | 1.0.1

- Versatile use for Laser Drilling, Cutting, as well as Spot and Seam Welding
- Improved process control through short modulation times and pulse shaping
- Compact industrial design for easy integration



Wavelength	1080 nm
Nominal output power	300 W
Nominal output power (CW)	400 W
Laser operation mode	Pulsed
Beam parameter product (BPP)	0.9 mm*mrad <sup>[1]</sup>
Fiber core diameter	50 µm <sup>[2]</sup>
Max. peak pulse power	3000 W
Pulse width	0.1 – 10 ms
Max. pulse energy	30 J
Modulation frequency	1 Hz – 10 kHz
Power instability Ø	3%
Power tuning range	10 – 100%

Polarization	Random
Fiber length	10 m <sup>[3]</sup>
Cooling method	Air
Aiming beam	Standard
Output type	QBH
Supply voltage DC	48 V
Power consumption @ 20°C	1800 W
Operation temperature	5 – 35 °C
Storage temperature	-20 – 50 °C
Mechanical dimensions (W × D × H)	483 × 561 × 148 mm
Net weight	38 kg

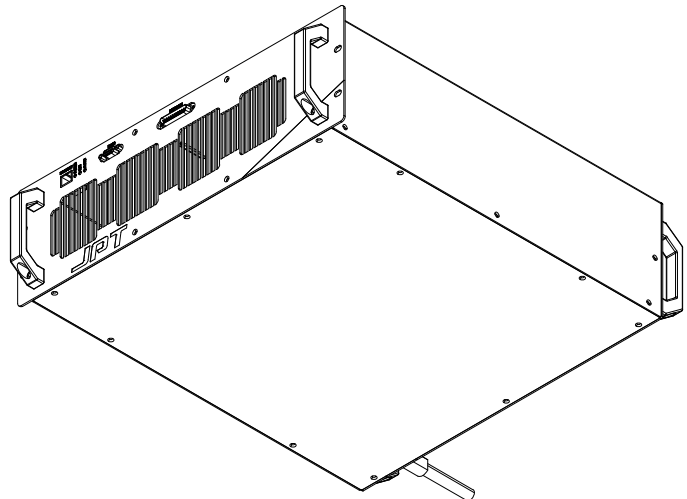
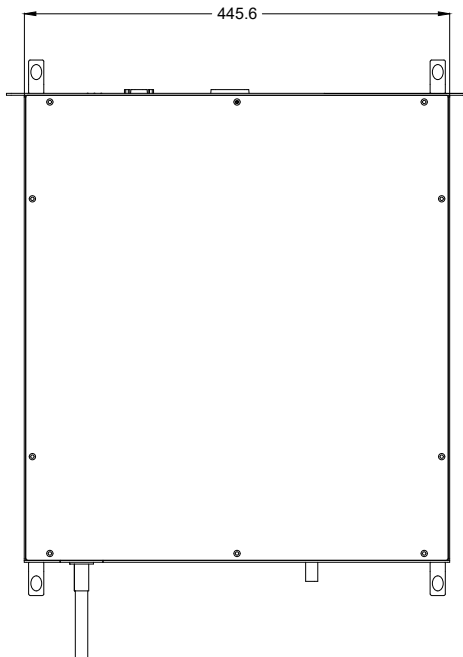
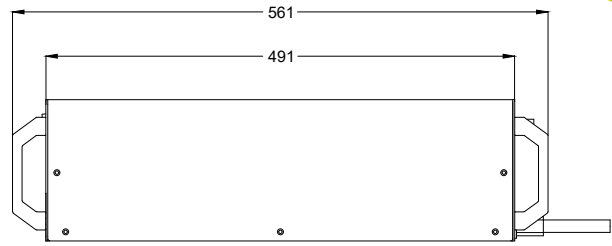
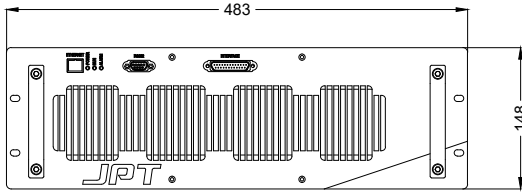
Product customizations are possible on request.

<sup>[1]</sup> Depending on fiber core diameter

<sup>[2]</sup> Other available fiber core diameters: 100 µm

<sup>[3]</sup> Other available fiber lengths: 3 m / 15 m





Laser product  
Class 4

## JPT

Manufacturer

QCW laser

QCW-300/3000MM-L

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

