

Q C W L A S E R

QCW-300/3000SM-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	Polarization	Random
Nominal output power	300 W	Fiber length	5 m ^[3]
Nominal output power (CW)	400 W	Cooling method	Air
Laser operation mode	Pulsed	Aiming beam	Standard
Beam parameter product (BPP)	0.38 mm*mrad ^[1]	Output type	QBH
Fiber core diameter	20 µm ^[2]	Supply voltage DC	48 V
Max. peak pulse power	3000 W	Power consumption @ 20°C	1800 W
Pulse width	0.1 – 10 ms	Operation temperature	5 – 35 °C
Max. pulse energy	30 J	Storage temperature	-20 – 50 °C
Modulation frequency	1 Hz – 10 kHz	Mechanical dimensions (W × D × H)	483 × 561 × 148 mm
Power instability Ø	3%	Net weight	38 kg
Power tuning range	10 – 100%		

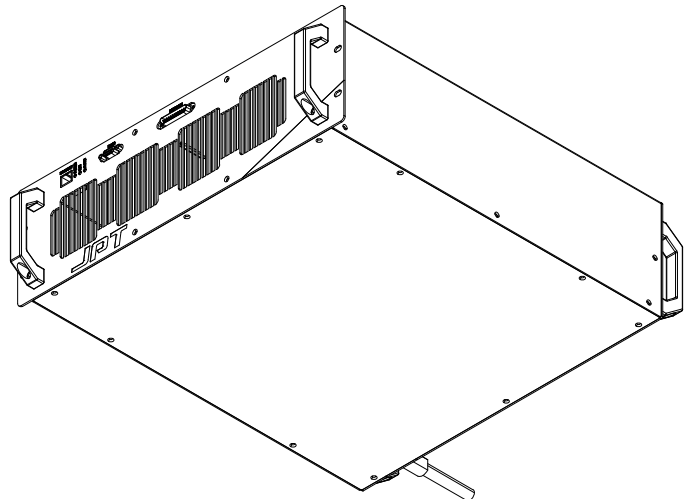
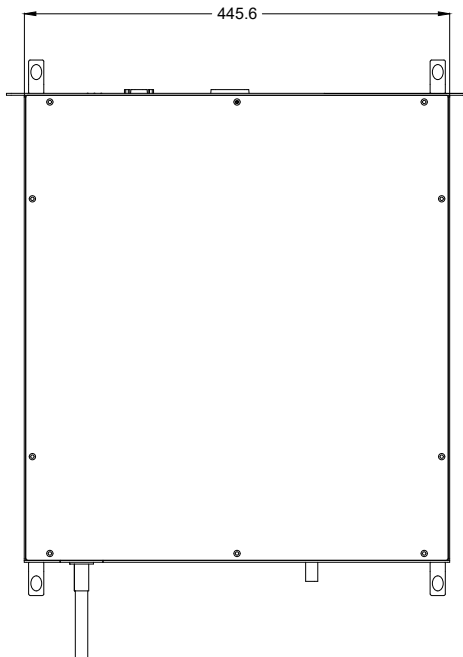
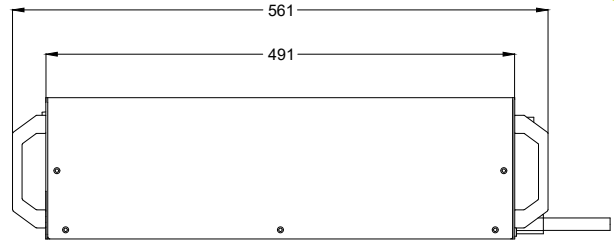
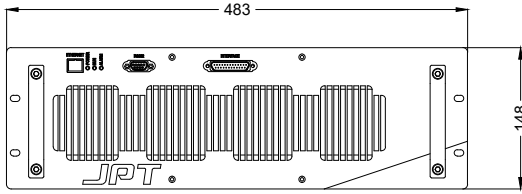
Product customizations are possible on request.

^[1] Depending on fiber core diameter

^[2] Other available fiber core diameters: 25 µm

^[3] Other available fiber lengths: 3 m





Laser product
Class 4

JPT

Manufacturer

QCW laser

QCW-300/3000SM-L

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

