Product Specifications

Product Name	IR Femtosecond Laser
Model	BFL-1030-20L



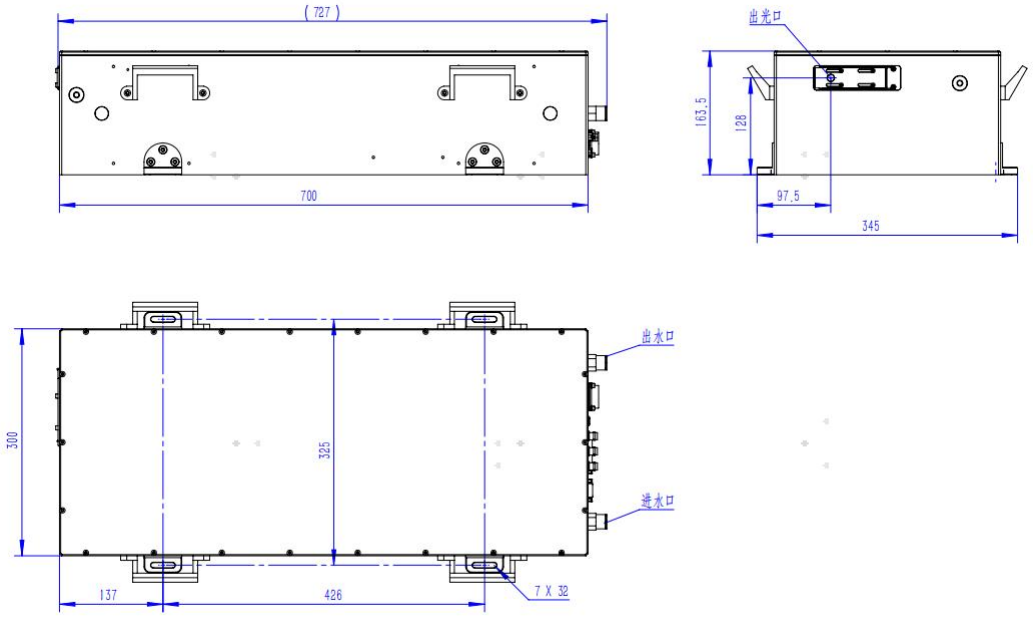
BFL Series Fiber Femtosecond Laser BFL-1030-20L

1. Specifications

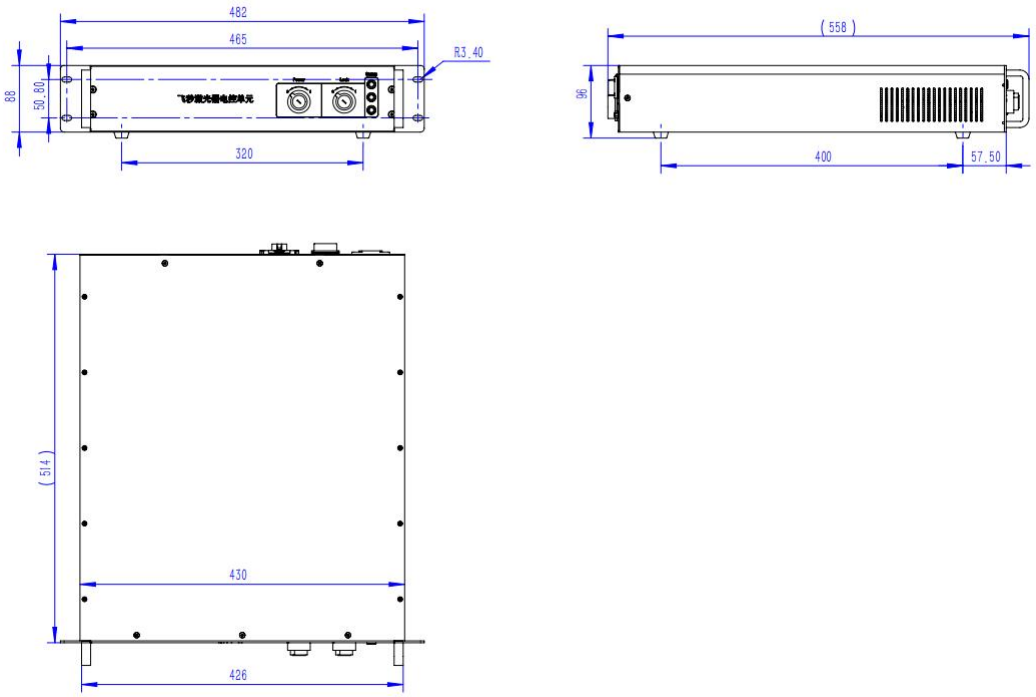
Model	BFL-1030-20L
Wavelength	1030nm
Base repetition rate	1000kHz
Pulse repetition rate	10Hz – 1000kHz
Pulse Duration	<300fs
Average Power	>20W@1000kHz
Maximum Pulse Energy	>20μJ@1000kHz
Average Power Stability	<1.0%rms over 8hours
Pulse-to-Pulse instability	<1.5% rms
Burst Mode	2-5 pulse selectable
Beam Quality	M^2 <1.30
Beam Divergence	<2mrad (Full Angle)
$1/e^2$ Beam Diameter	3.0± 0.5 mm(@output windows 50cm)
Beam Roundness	>90%
Pointing stability	<50.0μrad
Polarization Direction	Vertical
Polarization Ratio	>100:1
Cooling	Water-cooling (22℃)
Ambient Temperature	20 – 30℃
Relative humidity	10%-80% (non-condensing)
Warm-up Time	<20 min
Operating Voltage	110 – 260V/AC
External Trigger	GATE、TRIG
Laser head weight	<50kg
Rated power	<500VA

2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)



3. Typical Performance Data

