Product Specifications

Product Name	Dual-Wavelength Femtosecond Laser
Model	BFL-1030/515-20L BFL-1030/515-20L1



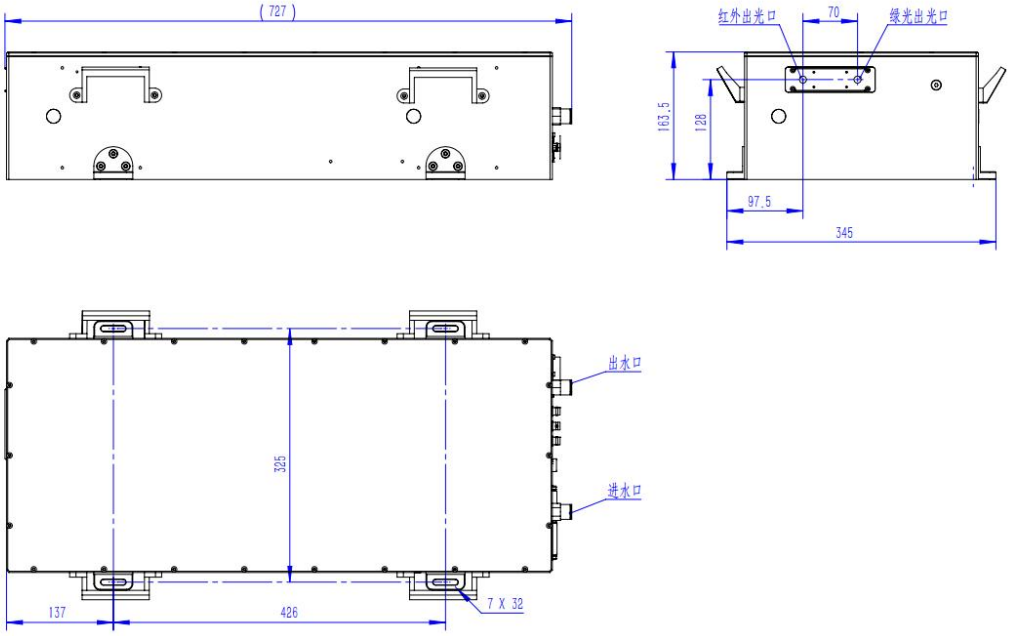
BFL Series Fiber Femtosecond Laser BFL-1030/515-20L/L1

1. Specifications

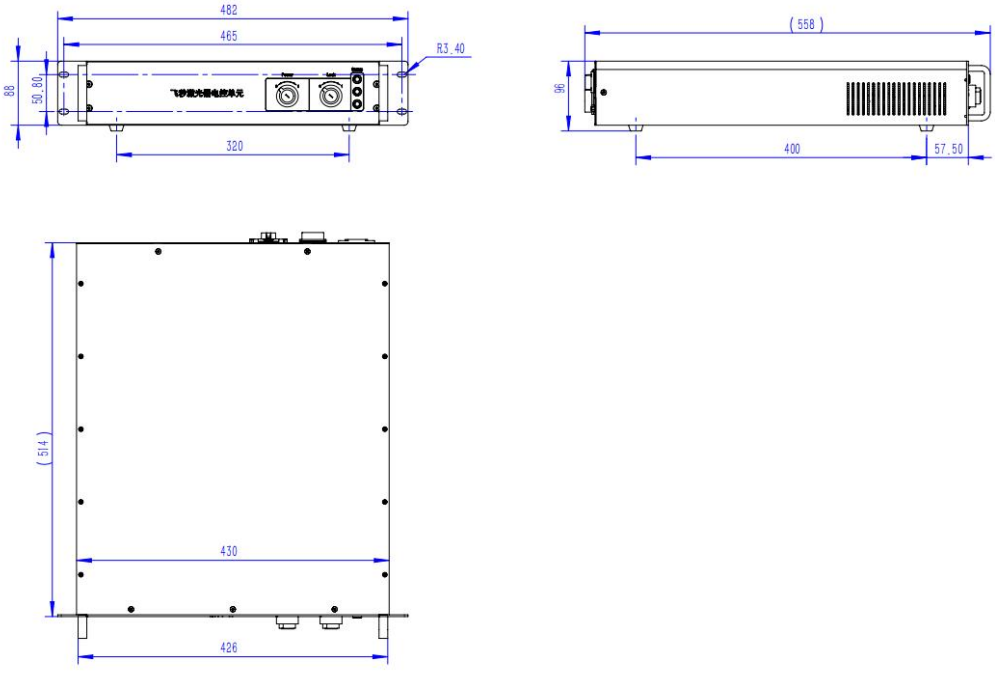
Model	BFL-1030/515-20L	BFL-1030/515-20L1
Wavelength	1030nm/515nm	
Base repetition rate	1000kHz	
Pulse repetition rate	10Hz – 1000kHz	
Pulse Duration	<300fs	
Average Power	>20W@1000kHz 1030nm >8W@1000kHz 515nm	>10W@1000kHz 1030nm >5W@1000kHz 515nm
Maximum Pulse Energy	> 20μJ@1000kHz 1030nm >8μJ@1000kHz 515nm	>10μJ@1000kHz 1030nm >5μJ@1000kHz 515nm
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)	
Beam Diameter	3.0± 0.5 mm/2.0±0.3mm(@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、POD	
Laser head weight	<50kg	
Rated power	<500VA	

2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)



3. Typical Performance Data

