Product Specifications

Product Name	Green Femtosecond Fiber Laser
Model	BFL-515-10L BFL-515-10L1



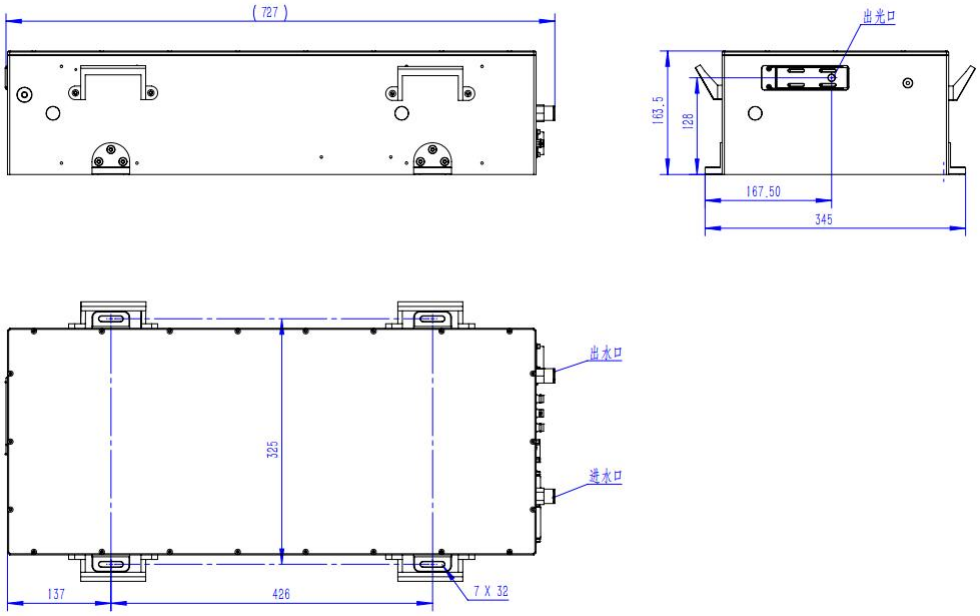
BFL Series Fiber Femtosecond Laser BFL- 515-10L/L1

1. Specifications

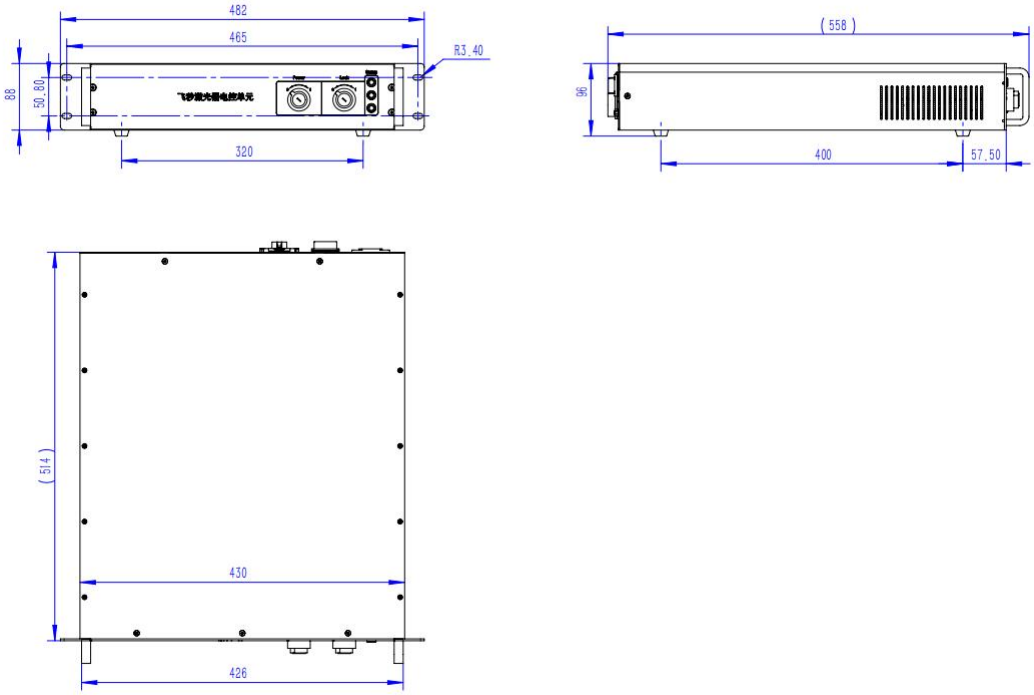
Model	BFL-515-10L	BFL-515-10L1
Wavelength	515nm	
Base repetition rate	500kHz	1000kHz
Pulse repetition rate	10Hz – 1000kHz	
Pulse Duration	<300fs	
Average Power	> 5W@500kHz	>10W@1000kHz
Maximum Pulse Energy	> 10μJ@500kHz	>10μJ@1000kHz
Average Power Stability	<1.0%rms over 8hours	
Pulse-to-Pulse instability	<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	2.0± 0.3 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

