



FL-532-SF-H/1-10W

SPECIFICATIONS

**SINGLE FREQUENCY MODE
FIBER LASER AT 532 nm**

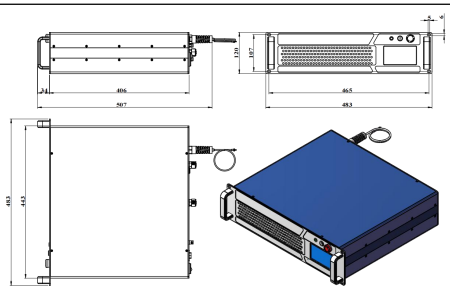
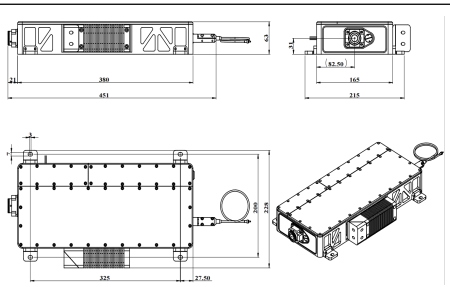
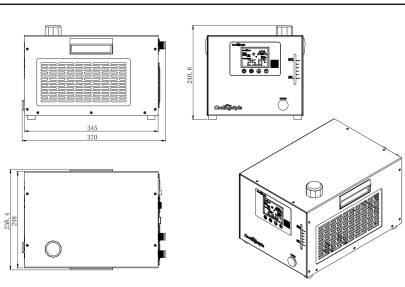
All polarization fiber single frequency mode high power laser at 532nm is consisting of the seed laser and an amplifier optimized for high output power, low noise operation and application demanding more optical power, which has been designed for ultra-high resolution imaging, display, biological stimulation(flow cytometry, optogenetics), and precise interferometric measurement etc.



Wavelength (nm)	532±1	
Operating mode	CW	
Free space output power (W)	1-5	5-10
Power stability (rms, 4 hours ±3°C)	<2%, <1%, <0.5%	
Longitudinal mode	Single	
Current adjustment range	1-100%	
Spectral linewidth (kHz)	<50	
Relative intensity noise (DC-3MHz)	<0.2%, <0.1%	
Frequency shift (MHz)(over ±2°C and 8 hours)	<±200	
M ²	TEM ₀₀ , <1.1	
Beam diameter (mm)	~0.8	
Pointing stability over temperature (urad/°C)	<50	
Polarization ratio	>20 Horizontal (Vertical optional)	
Warm-up time (minutes)	<30	
Cooled method	Air cooled/Water cooled	
Operating temperature (°C)	15-30	
Operating voltage (VAC)	110/220V	
Expected lifetime (hours)	>10000	



DIMENSION

Fundamental Frequency	Second harmonic	WATER CHILLER
 507(L)×483(W) ×120(H) mm ³ , 18kg	 451(L)×215(W) ×63(H) mm ³ , 6.5kg	 258.4(L)×370(W) ×240.6(H) mm ³ , 10kg