FL-532-LN-H/3-10W

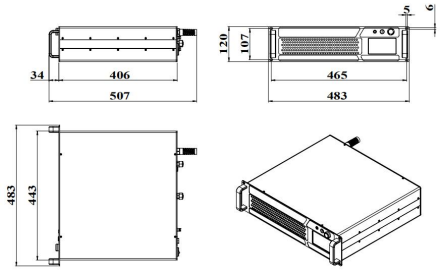
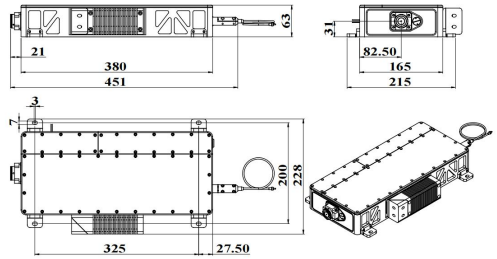
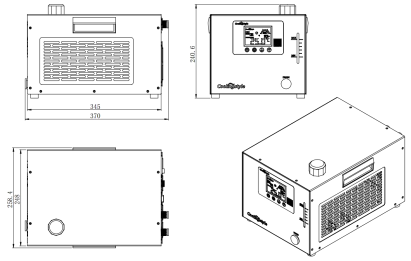
LOW-NOISE FIBER LASER

The low-noise fiber laser has the characteristics of ultra-stable output power, high output power, excellent beam quality and extremely low relative intensity noise (RIN), which is widely used in optical lattices, optical trap, atomic cooling, interferometry and holographic imaging , etc.

SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	CW	
Free space output power (W)[1]	3-10	
Power stability (rms, 4 hours ±3℃)	<2%, <1%	
Transverse mode	TEM_{00}	
Longitudinal mode	SLM	
Current adjustment range	1-100%	
Spectral linewidth (nm)	<0.002	
Relative intensity noise (rms, 10Hz-3MHz)	<0.1%	
Frequency shift (MHz) (over ±2℃and 8 hours)	<±200	
M^2	<1.1	
Beam diameter (mm)	~1	
Pointing stability (urad)	<15	<50
Polarization ratio (dB)	>20 Horizontal (Vertical optional)	
Warm-up time (minutes)	<30	
Cooled method	Water cooled	
Operating temperature (℃)	15-30	
Operating voltage (VAC)	110/220V	
Expected lifetime (hours)	>10000	

DIMENSION

Fundamental Frequency	Second harmonic	WATER CHILLER (WCH-580)
		
507(L)×483(W) ×120(H) mm³, 19kg	**451(L)×215(W) ×63(H) mm³, 6.5kg**	**258.4(L)×370(W) ×240.6(H) mm³, 10kg**

1 Any power level can be selected in this range.

Website: http://www.cnilaser.com E-mail: sales@cnilaser.com Tel: +86-431-85603799 Fax: +86-431-89216068