



FL-1064-SLM-H/10-70W

SINGLE LONGITUDINAL MODE FIBER LASER

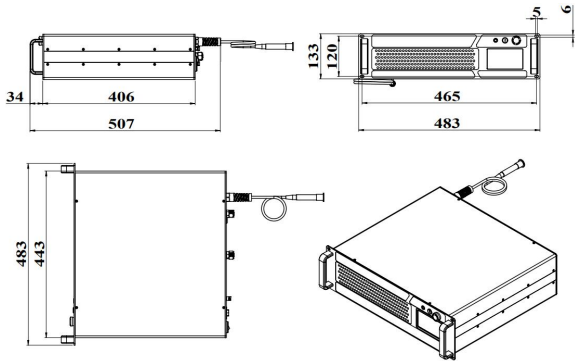
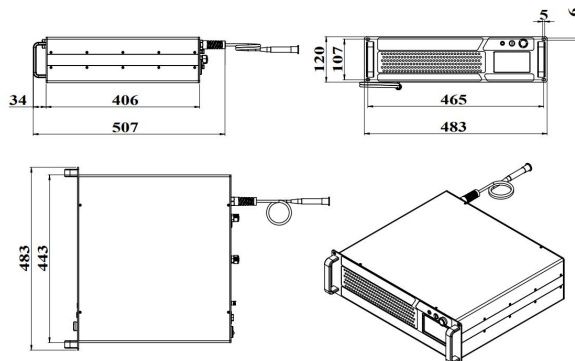
The single-longitudinal-mode, PM fiber laser at 1064nm comprises a seed laser and an amplifier. It is optimized for narrow linewidth operation and applications that require higher optical power, which is widely used in wafer inspection, optical trap, holographic imaging, pumping source and scientific research , etc.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	CW	
Output power (W) ¹	10-70W	
Power stability (rms, 4 hours ±3°C)	<2%, <1%, <0.5%	
Transverse mode	TEM ₀₀	
Longitudinal mode	SLM	
Current adjustment range	1-100%	
Spectral linewidth (kHz)	<10	
Temperature tuning range (nm)	>0.4	
PZT Tuning range (GHz)	>3	
PZT Tuning bandwidth (kHz)	>5	
Relative intensity noise (rms, 10Hz-3MHz)	<0.3%, <0.1%, (<0.05% optional)	
Frequency shift (MHz) (over ±2°C and 8 hours)	<±200	
M ²	<1.1	
Fiber connector	Collimator	
Fiber length(m) ²	1	
Fiber jacket	Metal	
Beam diameter (mm) ³	4±1 (Collimator output)	
Pointing stability (urad)	<5	<10
Polarization ratio (dB)	>15, after PM fiber	
Warm-up time (minutes)	<30	
Cooled method	Air cooled or Water cooled	
Operating temperature (°C)	15-30	
Power supply (VAC)	110/220VAC	
Expected lifetime (hours)	>10000	



DIMENSION ⁴	DIMENSION ⁵
 483(L)×507(W) ×133(H) mm³, 16 kg	 483(L)×507(W) ×120(H) mm³, 19kg

1 Any power level can be selected in this range.

2 Other lengths are available on request.

3 Other beam diameter can be customized.

4 Air cooled (output power ≤15W).

5 Water cooled (all power).