



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

SINGLE LONGITUDINAL MODE FIBER LASER

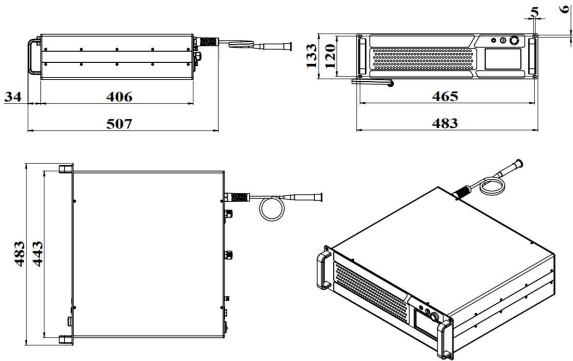
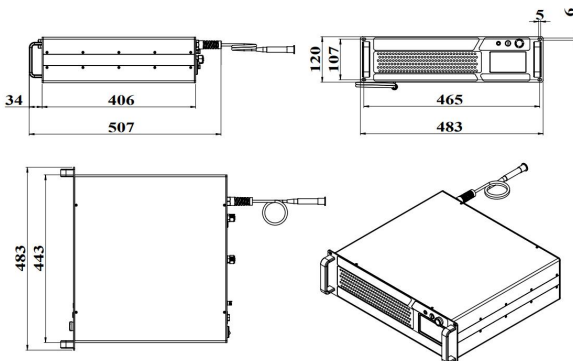
The single-longitudinal-mode, PM fiber laser at 1064nm comprises a seed laser and an amplifier. It is optimized for narrow linewidth operation and applications that require higher optical power, which is widely used in wafer inspection, optical trap, holographic imaging, pumping source and scientific 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 turning range (nm)	>0.4
PZT Turning range (GHz)	>3
PZT Turning 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 over temperature (urad/°C)	<50
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).