

FS-H-1064B/500-5000mW

FEMTOSECOND PULSED LASER AT 1064nm

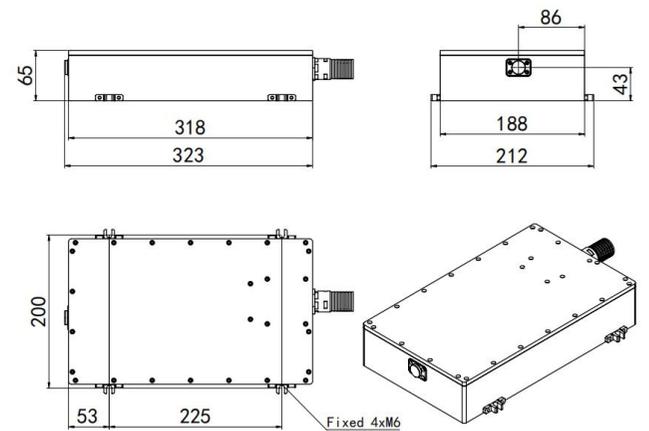
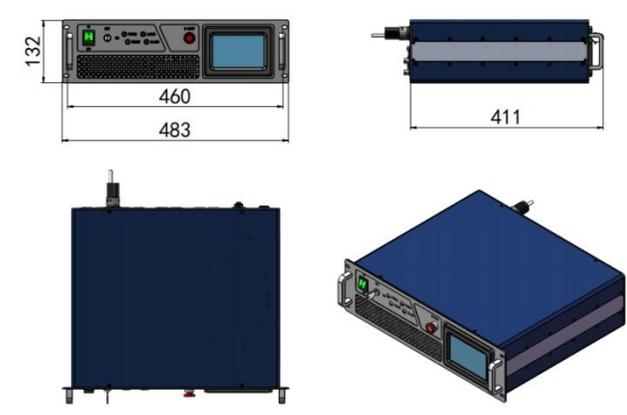
All Fiber Femtosecond pulsed laser at 1064nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1064±5
Operating mode	Pulsed
Average power (mW) ¹	500-5000
Single pulse energy (nJ)	6.25-62.5
Rep. rate (MHz)	80±1
Pulse duration (fs)	<150
Group Delay Dispersion ⁴ (fs ²)	-60000-0
Ave power stability (rms, 4 hours±3°C)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture (1/e ² ,mm)	~1.0
M ² factor	<1.2
Beam height from base plate (mm)	43
Polarization ratio	>100:1 Vertical
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY
 <p>323 (L)×212 (W) ×65(H) mm³,5.5kg</p>	 <p>411 (L) ×483 (W) ×132 (H) mm³,7.5 kg</p>

¹ One fixed value between 500-5000mW. Integrated AOM for fine power controlled fast power modulation, and the power loss is 15%.