FS-F-1030C/20-50W

FEMTOSECOND PULSED LASER AT 1030nm

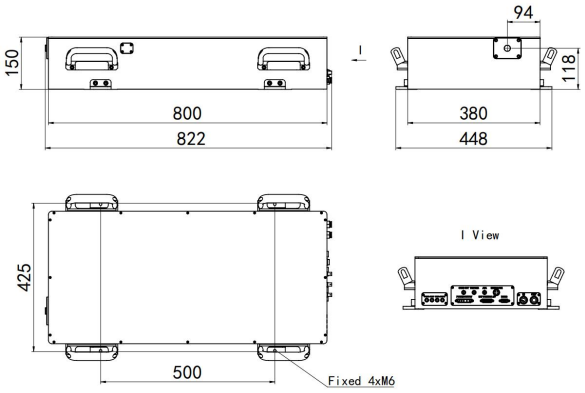
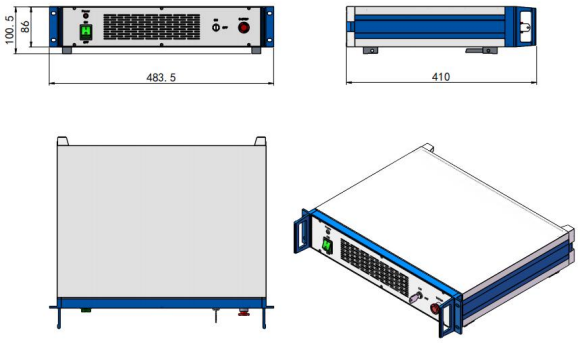
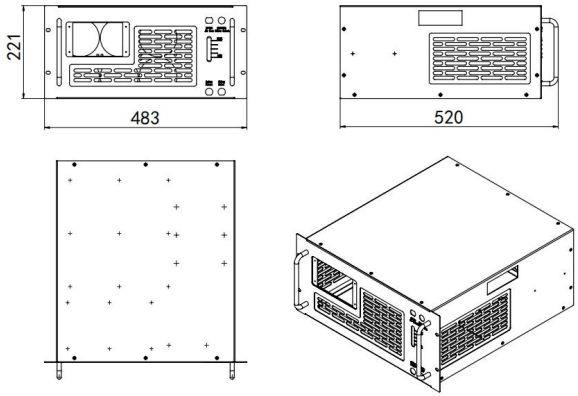
All Fiber Femtosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	1030±10
Operating mode	Pulsed
Average power (W)[1]	20-50(50W@1MHz)
Single pulse energy (uJ)	20-50(50uJ@1MHz)
Rep. Rate (kHz)	100-1000
Pulse duration(fs)[2]	<300
Peak power (MW)	67-167@1MHz
Ave power stability (rms, 4 hours±3℃)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
Beam quality(M^2)	<1.2
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture ($1/e^2$,mm)	<2
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	118
Cooled method	Water cooled
Operating temperature (℃)	15-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000





LASER HEAD (DRIVER Integrated)	POWER SUPPLY	WATER CHILLER
		
822 (L)×448 (W) ×150(H) mm^3,55kg	410 (L) ×483.5 (W) ×110.5 (H) mm^3,4.5 kg	520 (L) ×483 (W) ×221 (H) mm^3,22kg

1 Integrated AOM for fine power control and fast power modulation.
2 The pulse width is adjustable within the range of 300fs to 10ps.

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