FS-H-515E/30-60W

FEMTOSECOND PULSED LASER AT 515nm

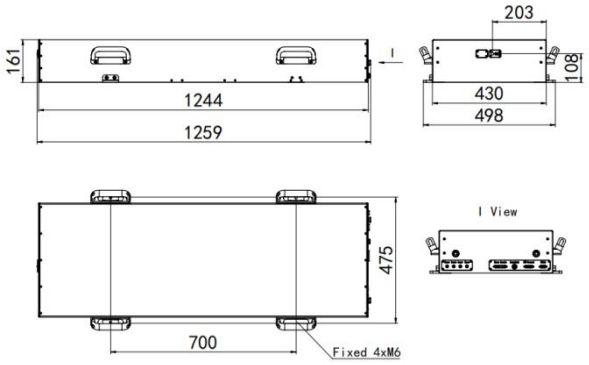
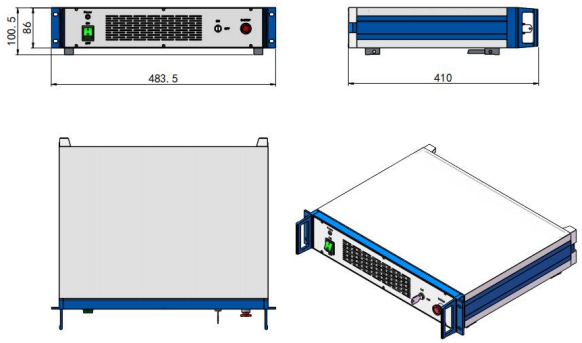
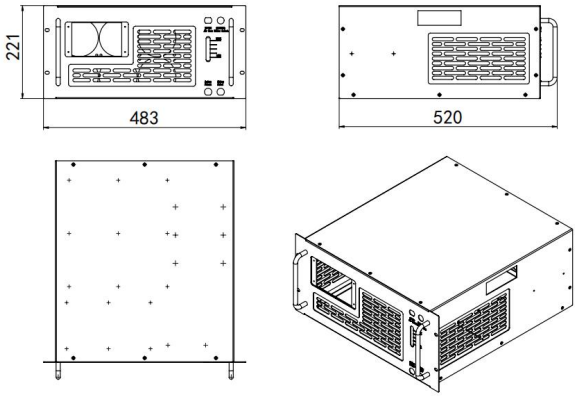
All Fiber Femtosecond pulsed laser at 515nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	515±5
Operating mode	Pulsed
Average power (W) [1]	30-60 (60W@40MHz&80MHz)
Single pulse energy (nJ)	750-1500 (1500nJ @40MHz)
Rep. rate (MHz)[2]	20-120
Pulse duration (fs)	<250
Ave power stability (rms, 4 hours±3℃)	<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)	<3
M^2 factor	<1.3
Beam height from base plate (mm)	108
Polarization ratio	>100:1 Horizontal
Cooled method	Water cooled
Operating temperature (℃)	10-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000





LASER HEAD (DRIVER Integrated)	POWER SUPPLY	WATER CHILLER
		
1259 (L)×498 (W) ×161(H) mm³,75kg	**410 (L) ×483.5 (W) ×110.5 (H) mm³,4.5 kg**	**520 (L) ×483 (W) ×221 (H) mm³,22kg**

1 One fixed value between 30-60W.

2 One fixed value between 20-120MHz.

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