FS-F-515D/20-40W

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.

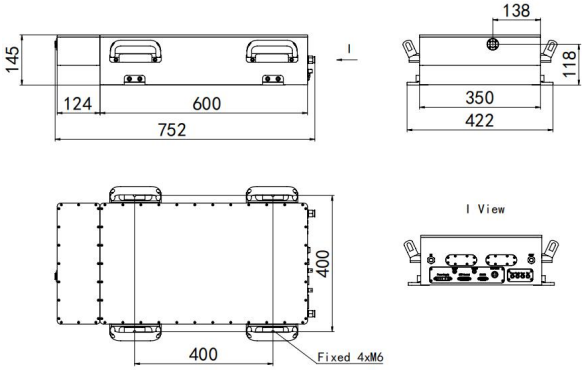
SPECIFICATIONS

Wavelength (nm)	515±5
Operating mode	Pulsed
Average power (W) [1]	20-40 (40W@500kHz&1MHz)
Single pulse energy (uJ)	20-80 (40uJ @1MHz, 80uJ @500kHz)
Rep. rate (kHz)	100-1000
Peak power (MW)	66.7-266MW (133MW@1MHz;266MW@500kHz)
Pulse duration (fs)	<300
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)	118
Polarization ratio	>100:1 Horizontal
Cooled method	Water cooled
Operating temperature (℃)	10-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000



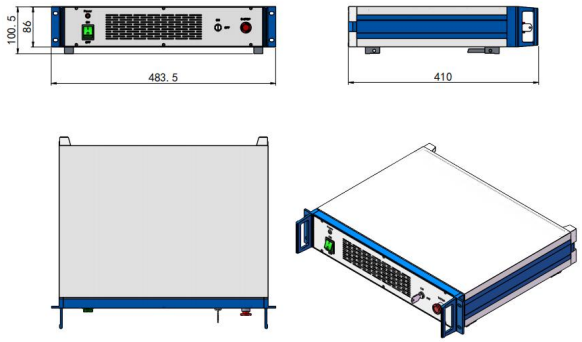


LASER HEAD (DRIVER Integrated)



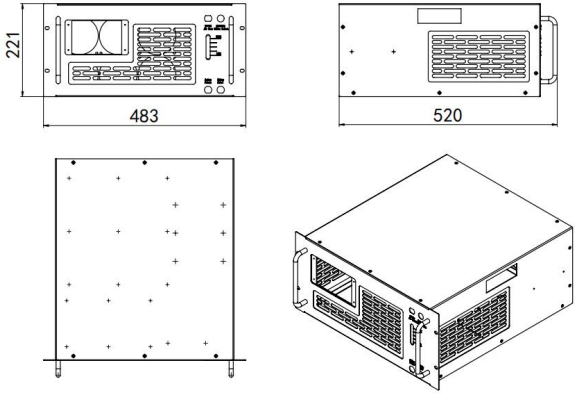
752 (L)×422 (W) ×145(H) mm³,80kg

POWER SUPPLY



410 (L) ×483.5 (W) ×110.5 (H) mm³,4.5 kg

WATER CHILLER



520 (L) ×483 (W) ×221 (H) mm³,22kg

1 One fixed value between 20-40W.

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