**FS-F-1030B&515B/10-20W&2-8W**

# FEMTOSECOND PULSED LASER AT 1030nm&515nm

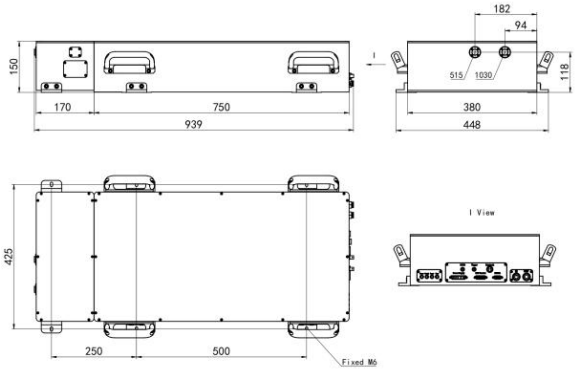
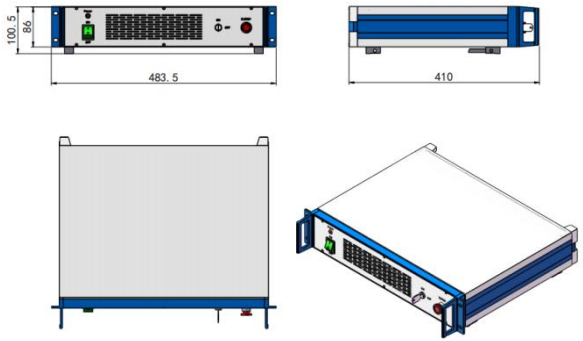
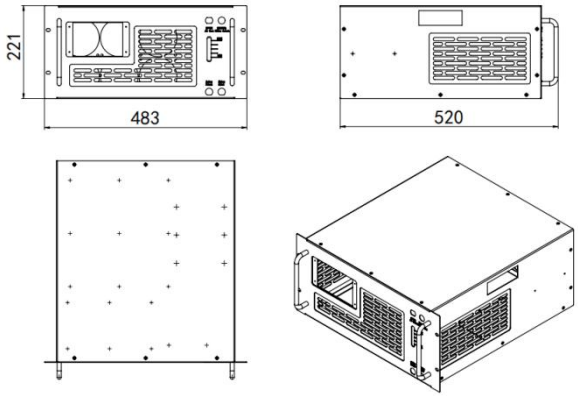
All Fiber Femtosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, it can provide switchable output between 1030nm and 515nm， which is used in optical microscope, photon imaging, physics experiment, etc.

**SPECIFICATIONS**

| | | |
|---|---|---|
| Wavelength (nm) (switchable) | 1030±10 | 515±5 |
| Operating mode | Pulsed | |
| Average power (W)1 | 10-20 (20W@1MHz) | 2-8 (8W@1MHz) |
| Single pulse energy (uJ) | 10-20 (20uJ@1MHz) | 2-8 (8uJ@1MHz) |
| Rep. rate (kHz) | 100-1000 | |
| Pulse duration (fs)[2] | <300 | |
| Peak power (MW) | 28-67@1MHz | 6.7-26@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 |
|---|---|---|
|  |  |  |
| **939 (L)×448 (W) ×150(H) mm³, 60kg** | **410 (L) ×483.5 (W) ×110.5 (H) mm³, 4.5 kg** | **520 (L) ×483 (W) ×221 (H) mm³, 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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