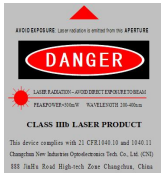
MGL-U-xxx-SF series

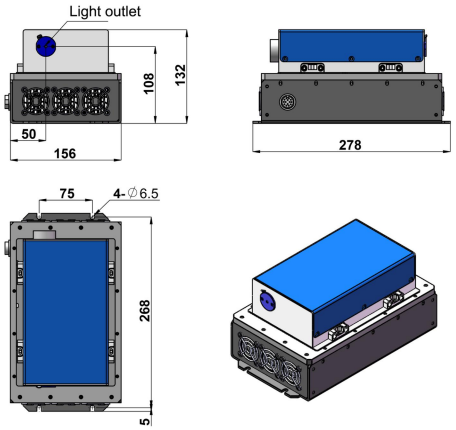
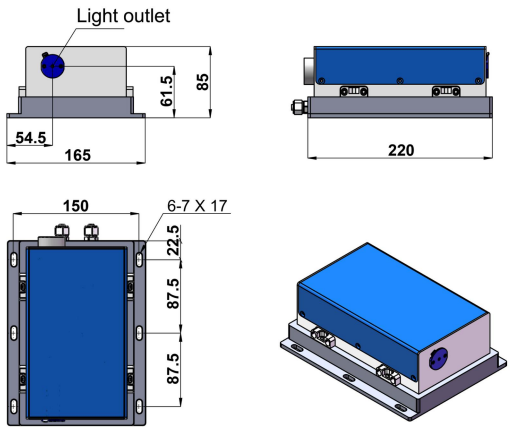
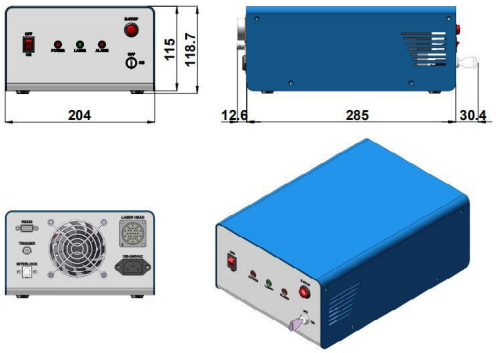
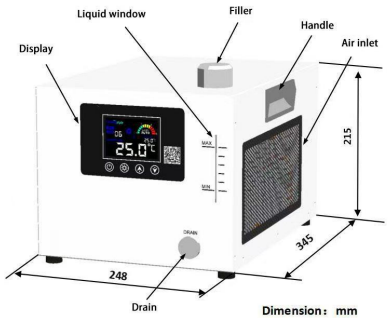
# DPSS LASER




All solid-state CW mode laser is made features of ultra compact, easy operating, high power and staiblity, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.

**SPECIFICATIONS**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Wavelength (nm) | 501±1 | 505±1 | 565±1 | 571±1 | 582±2 | 585±1 | 594±1 | 597±1 |
| Operating mode | CW | | | | | | | |
| Output power (mW)[1] | 1-200 | 1-200 | 1-200 | 1-200 | 1-100 | 1-100 | 100-1500 | 1-120 |
| Power stability (rms, 4 hours±3℃) | <3%, <2%, (<1% optional@Water Cooled) | | | | | | <3%, <2%, <1% | <3%, <2%, (<1% optional@Water Cooled) |
| Transverse mode | $TEM_{00}$ | | | | | | | |
| $M^2$ | ~3.0 | | | | | | | |
| Beam diameter at the aperture ($1/e^2$, mm) | ~3.0 | | | | | | | |
| Beam divergence (mrad) | <3.0 | | | | | | | |
| Cooled method | Air Cooled/ Water Cooled | | | | | | | |
| Warm-up time (minutes) | <10 | | | | | | | |
| Beam height from base plate (mm) | 108@Air Cooled/ 61.5@Water Cooled | | | | | | | |
| Power supply (100-240VAC) | PSU-SF | | | | | | | |
| Expected lifetime (hours) | >10000 | | | | | | | |

| LASER HEAD (Air Cooled)[2] | LASER HEAD (Water Cooled) |
|---|---|
|  |  |
| **278(L)×156(W) ×132(H) mm³, 7kg** | **220(L)×165(W) ×85(H) mm³, 6kg** |
| **POWER SUPPLY[3]** | **WATER CHILLER (WCH-580)** |
|  |  |
| **328 (L) ×204(W) ×118.7(H) mm³, 3.4kg** | **345 (L) ×248 (W) ×215(H) mm³, 10.5 kg** |

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power; RS232 control optional.