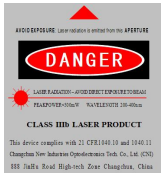
MBL-U-xxx-SF series

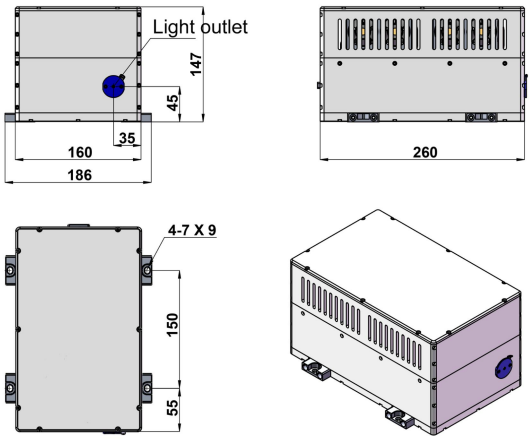
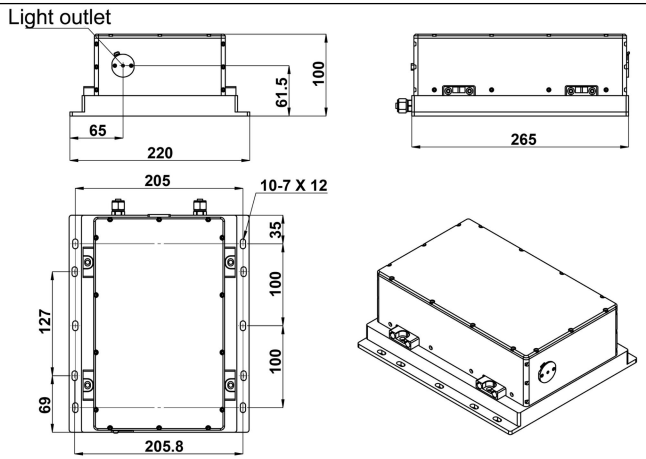
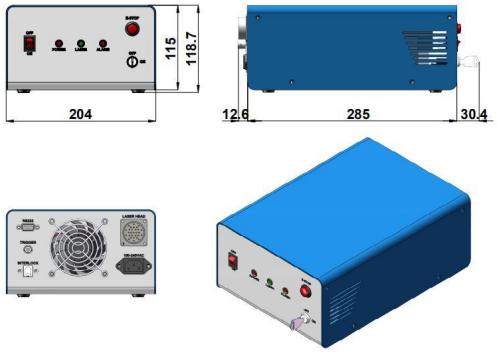
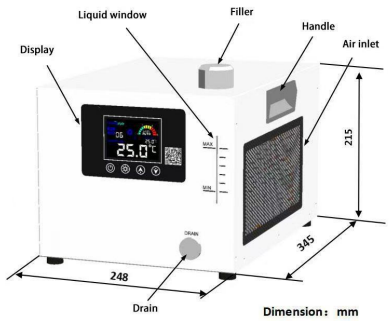


DPSS LASER

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)	425±3	430±1	433±1	484±1	488±1	491±1	496±1
Operating mode	CW						
Output power (mW)[1]	1-10	1-150	1-300	1-20	1-300	1-400	1-100
Power stability (rms, 4 hours±3°C)	<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						
Polarization ratio	>100:1						
Cooled method	Air Cooled/ Water Cooled						
Warm-up time (minutes)	<10						
Beam height from base plate (mm)	45@Air Cooled/ 61.5@Water Cooled						
Power supply (100-240VAC)	PSU-SF						
Expected lifetime (hours)	>10000						

LASER HEAD (Air Cooled)	LASER HEAD (Water Cooled)
	
260(L)×186(W)×147(H) mm³, 10kg	265(L)×220(W) ×100(H) mm³, 8kg
POWER SUPPLY[2]	**WATER CHILLER (WCH-580)**
	
328 (L) ×204(W) ×118.7(H) mm³, 3.4kg	345 (L) ×248 (W) ×215(H) mm³, 10.5kg

1 Any power level can be selected in this range.

2 Fixed output power; RS232 control optional.