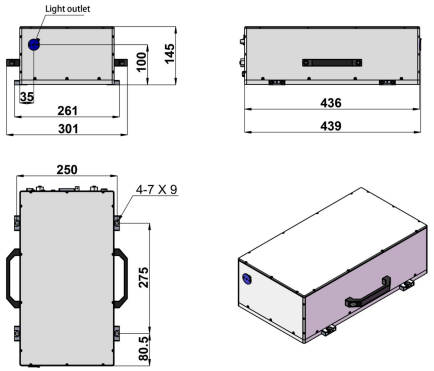
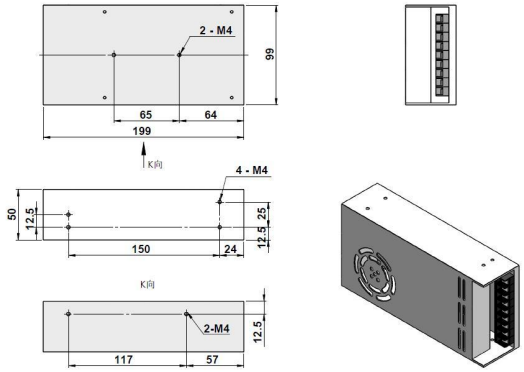
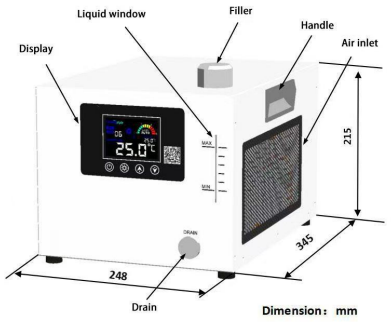
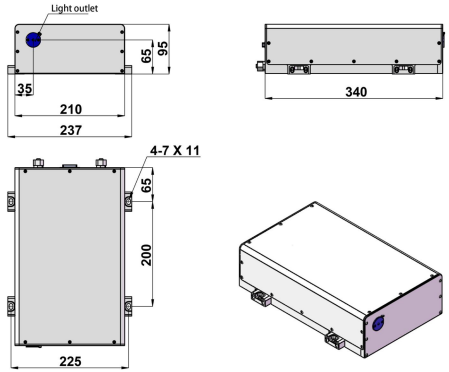
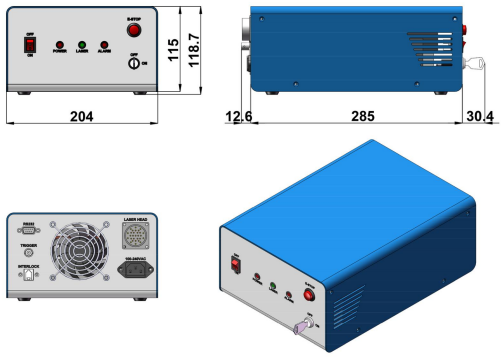
MSL-R series (301-400nm)

SINGLE LONGITUDINAL MODE LASER

All solid state single longitudinal 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)	320±1	349±1	355±1	360±1
Output power (mW)[1]	100-1000	100-400	10-200	80-600
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%			
Transverse mode	TEM_{00}			
Longitudinal mode	Single			
Operating mode	CW			
Spectral line width (nm)	<5MHz			
Coherent length (m)	>50			
Noise of amplitude (rms, 20Hz-20MHz)	<1%, <0.5%			
M^2	<1.2			
Beam diameter at the aperture ($1/e^2$, mm)	<1.5			
Beam divergence, full angle (mrad)	<1.0		<1.5	<1.0
Polarization ratio	>100:1 Vertical (Horizontal optional)			
Pointing Stability(μrad) (over 2 hours after warm-up and ±3°C)	<50			
Pointing Stability Over Temperature(μrad/°C)	<8			
Beam height from base plate (mm)	100		65	100
Warm-up time (minutes)	<15			
Cooled method (Water cooled)	WCH-580			
Operating Temperature (°C)	20-30			
Power supply (100-240VAC)	/		PSU-SF	/
Operating voltage (VDC)	12V/ 25A		/	12V/ 25A
Expected lifetime (hours)	>10000			

LASER HEAD (DRIVER Integrated) (MSL-R-320/ 349/ 360)	POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-580)
 439(L) ×301(W) ×145(H) mm³, 22.0kg	 199(L)×99(W)×50(H) mm³, 1.0kg	 345 (L) ×248 (W) ×215(H) mm³, 10.5kg
LASER HEAD (MSL-R-355)	POWER SUPPLY (PSU-SF)[2]	
 340(L) ×237(W) ×95(H) mm³, 14.0 kg	 328(L) ×204(W) ×118.7(H) mm³, 3.4 kg	

1 Any power level can be selected in this range.

2 Fixed output power.