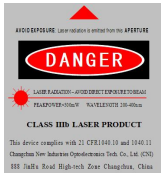
MGL-A-xxx series

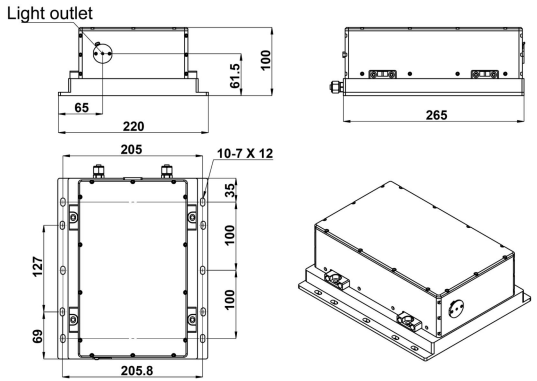
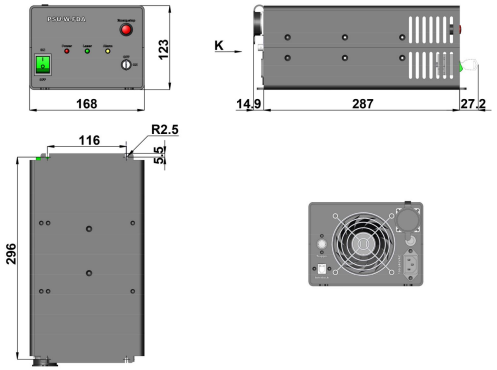
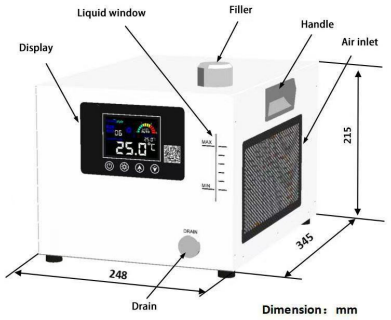
LD PUMPED ALL-SOLID-STATE LASER



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

Part number	MGL-A-536	MGL-A-552
Wavelength (nm)	536±1	552±1
Operating mode	CW	
Output power (mW)[1]	500-4000	300-2000
Power stability (rms, 4 hours±3℃)	<3%, <2% (<1% optional)	
Transverse mode	TEM_{00}	
M^2	<3.0	<2.0
Beam diameter at the aperture ($1/e^2$, mm)	<2.0	
Beam divergence, full angle (mrad)	<2.0	
Polarization ratio	>100:1 Horizontal (Vertical optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Cooled method (Water cooled)	WCH-580	
Beam height from base plate (mm)	61.5	
Operating Temperature (°C)	10-35	
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Power supply (100-240VAC)	PSU-W-FDA	
Expected lifetime (hours)	>10000	

LASER HEAD	POWER SUPPLY[2]	WATER CHILLER (WCH-580)
		
305(L)×215(W) ×100(H) mm³, 8.0 kg	**329.1(L) ×168(W) ×123(H) mm³, 4.1 kg**	**345 (L) ×248 (W) ×215(H) mm³, 10.5kg**

1 Any power level can be selected in this range.

2 Fixed output power.