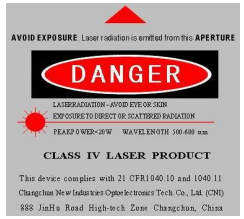
MGL-W-589A/1500-7000mW

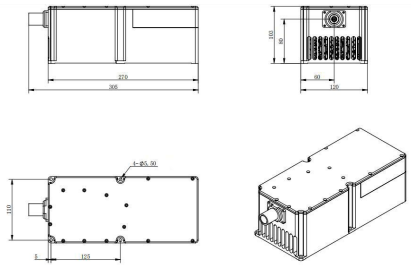
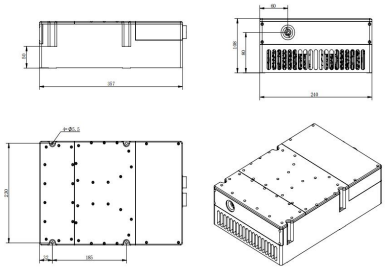
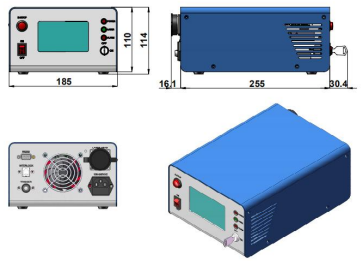
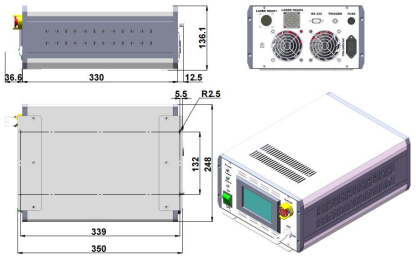
LD PUMPED ALL-SOLID-STATE YELLOW LASER AT 589nm

All solid state 589 nm yellow laser is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

SPECIFICATIONS

Model	MGL-W-589A	MGL-W-589A-II
Wavelength (nm)	589±2	
Operating mode	CW	
Output power (mW)[1]	1500-4500	4500-7000
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)	
Transverse mode	Near TEM_{00}	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture ($1/e^2$, mm)	~4.0	
Pointing Stability(urad) (over 2 hours after warm-up and ±3°C)	<50	
Pointing Stability Over Temperature (urad/°C)	<20	
Warm-up time (minutes)	<10	
Polarization ratio	>50:1(100:1 Optional) , Horizontal(Vertical Optional)	No polaritio
Beam height from base plate (mm)	80	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-W-LED	PSU-AOM
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optiona	
Expected lifetime (hours)	>10000	



LASER HEAD (MGL-W-589A)	LASER HEAD (MGL-W-589A-II)	POWER SUPPLY (PSU-W-LED)	POWER SUPPLY (PSU-AOM)
			
305 (L) ×120 (W) ×103 (H) mm^3, 5.4 kg	357 (L) ×240 (W) ×108 (H) mm^3, 11.6 kg	301.5 (L) ×185 (W) ×114 (H) mm^3, 3.0 kg	379.1(L) ×248 (W) ×136.1 (H) mm3,7.7kg

1 Any power level can be selected in this range.