

AO-X-532/1-20W

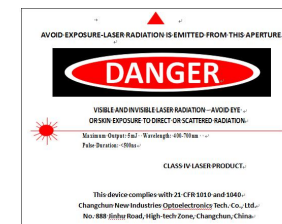
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED GREEN LASER AT 532 nm

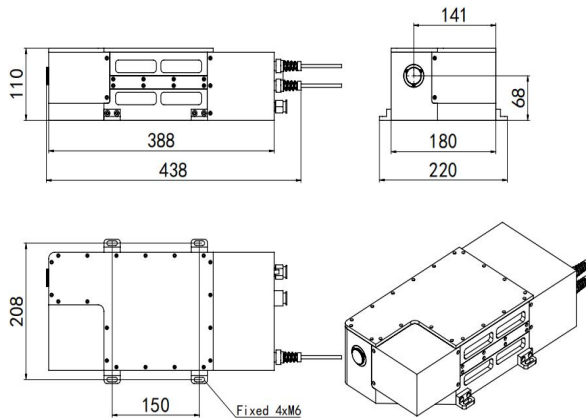
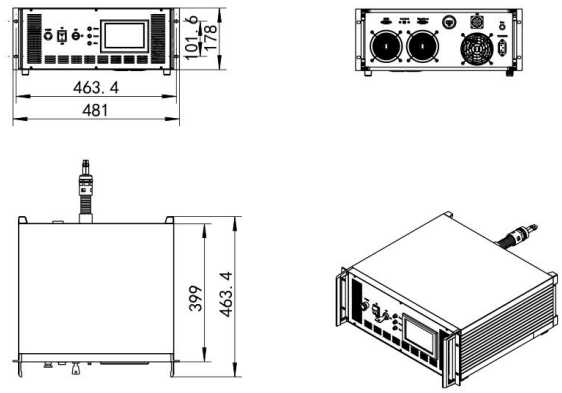
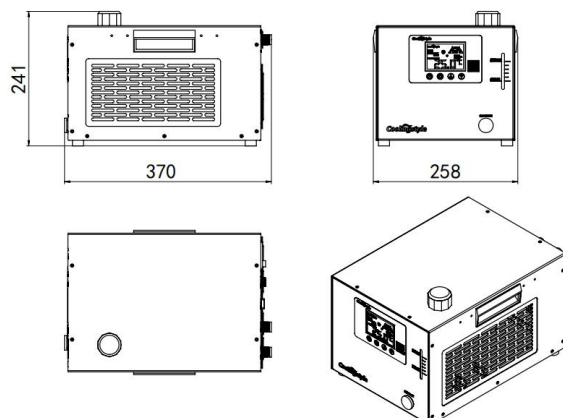
All solid state AOM Q-switched green laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Actively
Average power (W) ¹	1-20W (20W@30kHz)
Single pulse energy (μJ)	1-670 (670μJ @30kHz)
Rep. rate (kHz)	30-100
Pulse duration (ns) ²	~25
Peak power (kW)	1-45 (45kW@30kHz)
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2
M ² factor	<2
Beam diameter at the aperture (1/e ² ,mm)	~2.0
Beam height from base plate (mm)	68
Cooled method	Water cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-AOM (3U)
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY	WATER CHILLER
 438(L)×220(W)×110(H),13kg	 463.4(L)×481(W)×178(H),7.5kg	 370(L)×258 (W)×241(H) mm3, 8.3 kg

1 Output power adjustable 10-100%; RS232 control optional.

2 Pulse width not tunable, the value varies with different frequency.