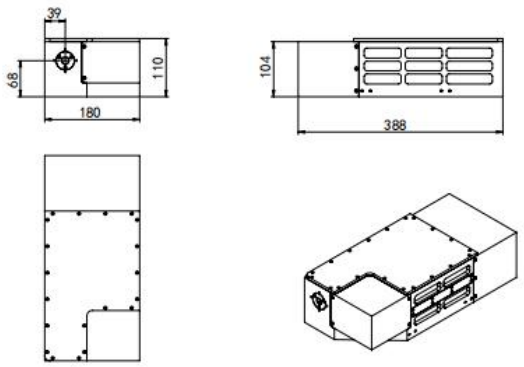
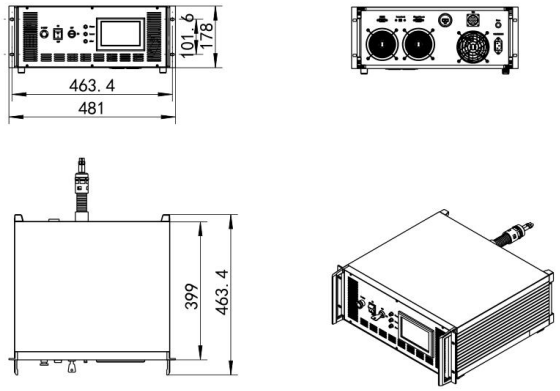
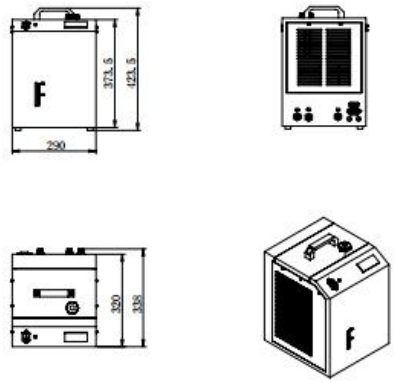
AO-X-532/1~670μJ/1~20W

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	Acousto-Optics Q-switched
Average power (W)	1~20W (20W@30kHz)
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~670 (670μJ @30kHz)
Rep. rate (kHz)	30~100
Pulse duration (ns)	<25
Peak power (kW)	1~45 (45kW@30kHz)
Ave power stability (over 4 hours)	<3%, <5%
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 (℃)	10~35
Power supply (220/110VAC)	PSU-AOM (3U)
Expected lifetime (hours)	10000
Warranty period	1 year

AO-X-532	PSU-AOM (3U)	MSL-400
		
388(L)* 180(W)*110(H),13kg	463.4(L)* 481(W)*178(H),5kg	338(L)* 290(W)*423.5(H),20kg

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