

AO-X-1064//1-20W

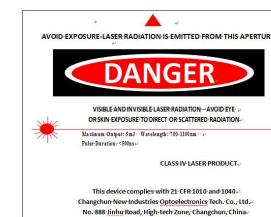
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER AT 1064 nm

All solid state AOM Q-switched laser at 1064 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.

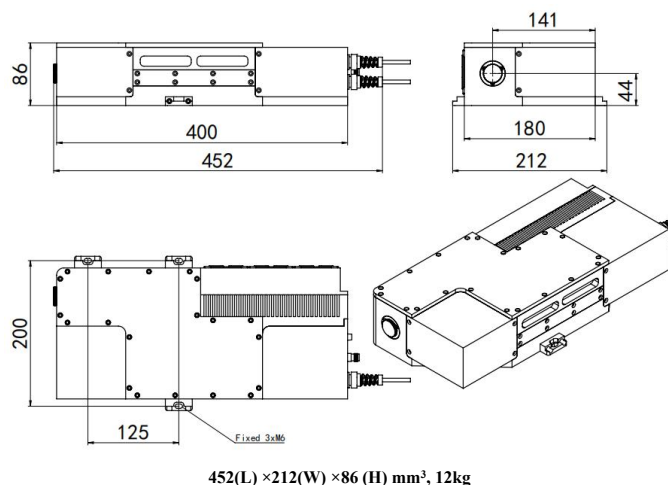


SPECIFICATIONS

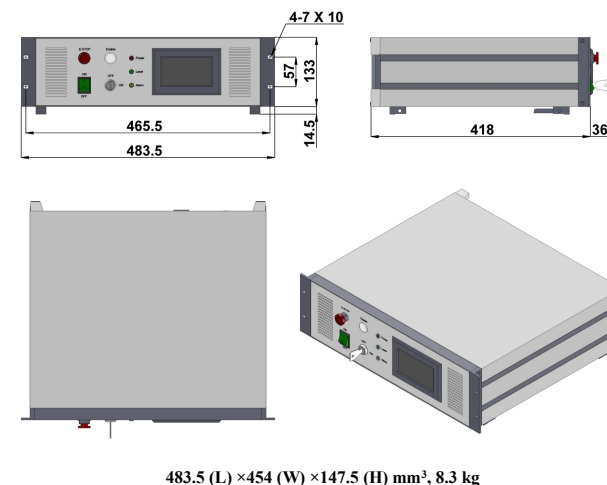
Wavelength (nm)	1064±1
Operating mode	Actively
Average power (W) ¹	1-20W (20W@30kHz)
Single pulse energy (μJ)	1-670 (670uJ@30kHz)
Rep. rate (kHz)	10-100
Pulse duration (ns) ²	~20 @30kHz
Peak power (kW)	1-33 (33kW@30kHz)
Ave power stability rms, 4 hours±3°C)	<5%, <3%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2
Beam diameter at the aperture (1/e ² ,mm)	~2.0
M ² factor	<1.5
Beam height from base plate (mm)	44
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-AOM (3U)
Expected lifetime (hours)	>10000



LASER HEAD



POWER SUPPLY



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

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