

AO-1064A /1~1500μJ



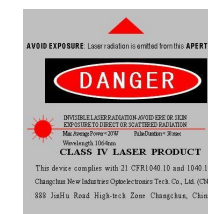
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER**

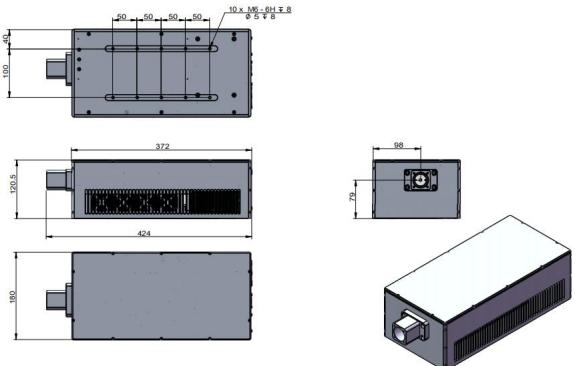
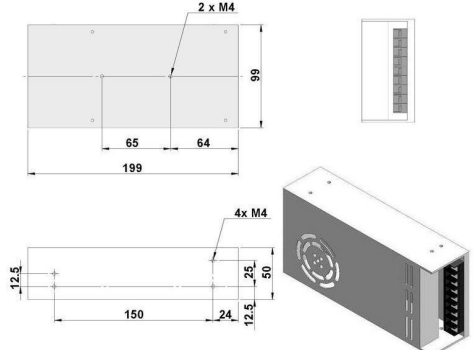
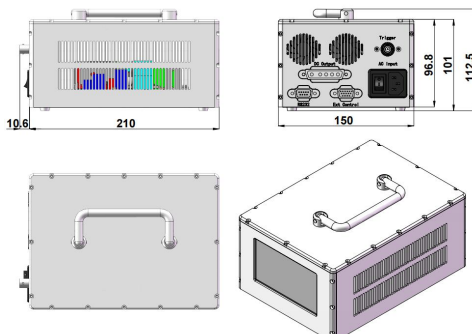
All solid state AOM Q-switched laser at 1064 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Rep. rate (kHz)	0.01~20	
Single pulse energy (μJ)	~1500@100Hz	~800@10KHz
Pulse duration (ns)	~10@100Hz	25@10KHz
Peak power (kW)	150	32
Ave power stability (over 4 hours)	<5%, <3%, <1%	
Transverse mode	TEM ₀₀	
Spectral linewidth (pm)	<100	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	<3	
Beam diameter at the aperture (1/e ² , mm)	~1.0	
Polarization ratio	>100:1, Horizontal	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	79	
Cooled method	Air cooled	
Operating temperature (°C)	10~35	
Supply Voltage	DC 12V/25A (PSU-12/ PSU-12-P optional)	



AO-1064A <i>Integrated electronics</i>	PSU-12 ^① (Power supply 100-240VAC)	PSU-12-P ^② (Power supply 100-240VAC)
 <p>424 (L) × 180 (W) × 120.5 (H) mm³, 9.5 kg</p>	 <p>DC12V 25A; 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg</p>	 <p>220.6 (L) × 150 (W) × 112.5 (H) mm³, 2.75 kg</p>

Note:

① Adaptor for 12V/25A.

② Adaptor for 12V/25A, and power control function is included.