

AO-1064A /1~1500μJ



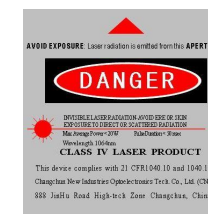
LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER

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.

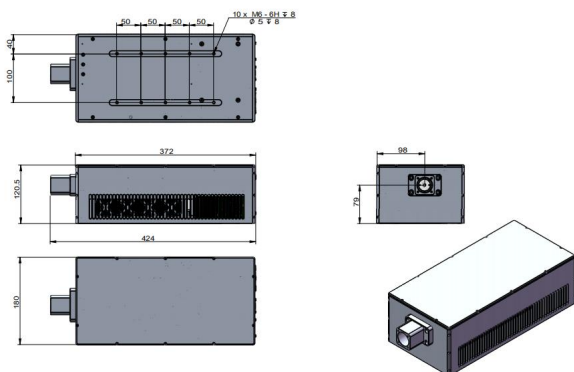


SPECIFICATIONS

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)	0.01~10		
Single pulse energy (μJ)	~1500@1Hz~1KHz		~800@10KHz
Pulse duration (ns)	~10@1Hz	~12@1KHz	~25@10KHz
Peak power (kW)	~150@1Hz	~125@1KHz	~32@10KHz
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)		

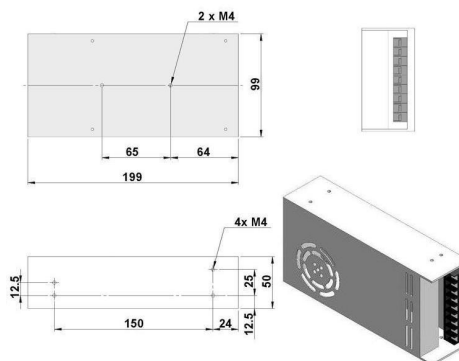


AO-1064A *Integrated electronics*



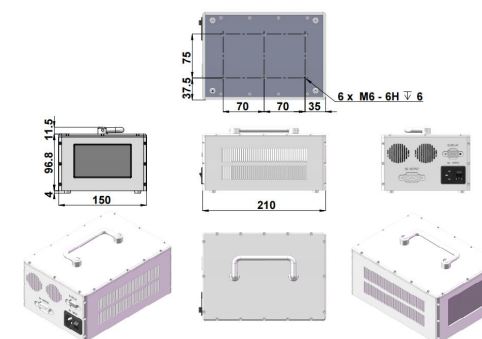
424 (L) × 180 (W) × 120.5 (H) mm³, 9.5 kg

PSU-12^① (Power supply 100-240VAC)



DC12V 25A; 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg

PSU-12-P^② (Power supply 100-240VAC)



220.6 (L) × 150 (W) × 112.5 (H) mm³, 2.75 kg

Note:

①Adaptor for 12V/25A.

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