

AO-1064W& 532W

1064 50W/ 800uJ

532 20W/ 300uJ

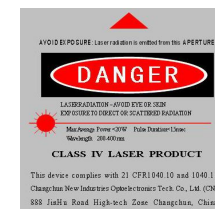
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER at DAUL
1064NM AND 532NM**

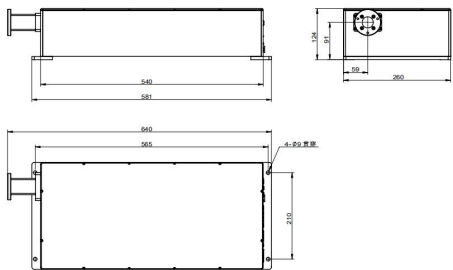
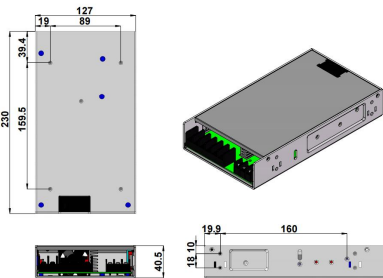
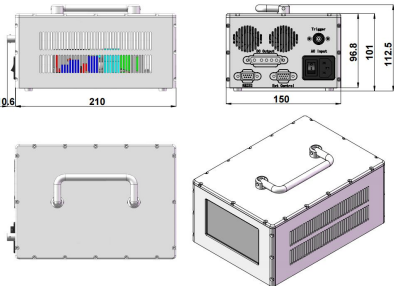

All solid state AOM Q-switched laser at Daul wavelengths 1064 nm and 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1	532±1
Operating mode	Acousto-Optic Q-switched	
Average power (W)	50W@60kHz	20W@60kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	>800uJ @60kHz	>300uJ @60kHz
Rep. rate (kHz)	50~100	
Pulse width (ns)	~10@60kHz	
Transverse mode	TEM ₀₀	
Beam Circularity (%)	>90	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	<3.5	
Beam diameter at the aperture (1/e ² , mm)	~0.8	
Polarization ratio	>100:1, Horizontal	>100:1, Vertical
Beam height from base plate (mm)	91	
Warm-up time (minutes)	<10	
Operating temperature (°C)	10~35	
Supply Voltage	DC 30V/18.6A (PSU-30/ PSU-36-P optional)	



<p>AO-1064W&532W <i>Integrated electronics</i></p>	<p>PSU-30^① (Power supply 100-240VAC)</p>	<p>PSU-36-P^② (Power supply 100-240VAC)</p>	<p>Water Chiller (WCH-580)</p>
 <p>640 (L) × 260 (W) × 124 (H) mm³</p>	 <p>DC30V 18.6A; 230 (L) × 127 (W) × 40.5 (H) mm³, 1 kg</p>	 <p>220.6 (L) × 150 (W) × 112.5 (H) mm³, 2.75 kg</p>	 <p>369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg</p>

Note:

① Adaptor for 30V/18.6A.

② Adaptor for 30V/18.6A, and power control function is included.