

AO-Mini-532 /1~100μJ



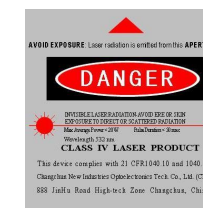
LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER

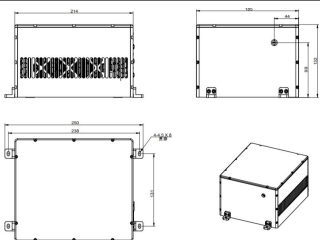
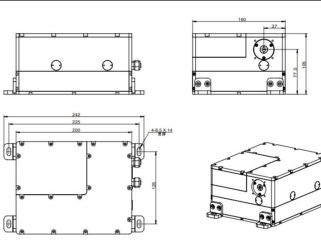
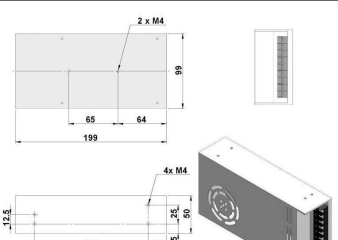
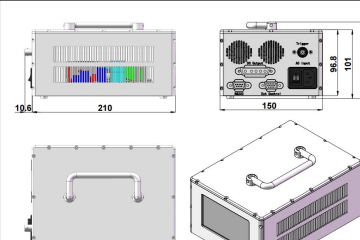

All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Rep. rate (kHz)	1~10	10~50
Single pulse energy (μJ)	~100	~20
Pulse duration (ns)	~7	
Peak power (kW)	~15	~3
Ave power stability (over 4 hours)	<5%, <3%, <1%	
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.2	
Beam divergence, full angle (mrad)	<4	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~1.0	
Polarization ratio	>100:1, Vertical	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	77.5@Water cooled	99@Air Cooled
Cooled method	Water cooled	Air Cooled
Operating temperature (°C)	10~35	
Supply Voltage	DC 12V/25A (PSU-12/ PSU-12-P optional)	



AO-Mini-532-Air <i>Integrated electronics</i>	AO-Mini-532-Water <i>Integrated electronics</i>	PSU-12 <sup>①</sup> (Power supply 100-240VAC)	PSU-12-P <sup>②</sup> (Power supply 100-240VAC)	Water Chiller (WCH-580)
				
250 (L) × 185 (W) × 132 (H) mm <sup>3</sup> , 6.9 kg	242 (L) × 160 (W) × 105 (H) mm <sup>3</sup> , 5.4 kg	DC12V 25A; 199 (L) × 99 (W) × 50 (H) mm <sup>3</sup> , 0.9 kg	220.6(L) × 150 (W) × 112.5 (H) mm <sup>3</sup> , 2.75 kg	369.8 (L) × 258.4(W) × 240.6 (H) mm <sup>3</sup> , 10.5 kg

Note:

①Adaptor for 12V/25A.

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