



AO-355W 3W/5W/12W



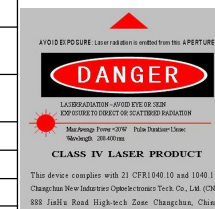
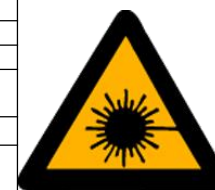
LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER at 355NM

All solid state AOM Q-switched laser at 355 nm 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)	355±1				
Operating mode	Acousto-Optic Q-switched				
Average power (W)	1W@1kHz	3W@5kHz	3W@30kHz	5W@30kHz	12W@50kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)				
Single pulse energy (μJ)	>1mJ@1K Hz	>600@5K Hz	>100@30kHz	>160@30kHz	>200@50kHz
Rep. rate (kHz)	1-10		10~200	10~200	50~200
Pulse width (ns)	~12 @1kHz	~15 @5kHz	~12 @30kHz	~15 @30kHz	~11 @50kHz
Transverse mode	TEM ₀₀				
Beam Circularity (%)	>90				
M ² factor	<1.2				
Beam divergence, full angle (mrad)	<1.5(3×beam expansion)				
Beam diameter at the aperture (1/e ² , mm)	~1.5(3×beam expansion)				
Beam height from base plate (mm)	60				59
Warm-up time (minutes)	<10				
Cooled method	Water Cooled				
Operating temperature (°C)	10~35				
Supply Voltage	DC12V/25A (PSU-12/ PSU-12-P optional)			DC24V/13A (PSU-24/PSU-24-P optional)	



AO-355W		PSU-12/24 ^①	PSU-12/24-P ^②	Water Chiller (WCH-580)
3W/5W <i>Integrated electronics</i>	12W <i>Integrated electronics</i>	(Power supply 100-240VAC)	(Power supply 100-240VAC)	
422 (L) × 180 (W) × 95.5 (H) mm ³ , 9.8 kg	439 (L) × 185 (W) × 95 (H) mm ³ , 10.6 kg	199 (L) × 99 (W) × 50 (H) mm ³ , 0.9 kg	220.6 (L) × 150 (W) × 112.5 (H) mm ³ , 2.75 kg	369.8 (L) × 258.4(W) × 240.6 (H) mm ³ , 10.5 kg

Note:

- ① Adaptor for 12V/25A or 24V/13A.
- ② Adaptor for 12V/25A or 24V/13A, and power control function is included.