



AO-266W-HE/1000mW/100μJ



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

All solid state AOM Q-switched laser at 266 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in radar, scientific research, precision research and so on.

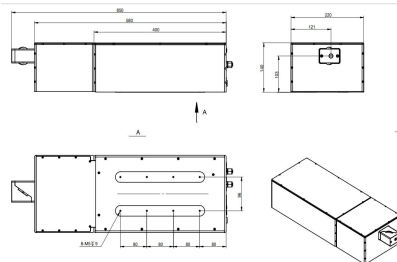


SPECIFICATIONS

Wavelength (nm)	266±1
Operating mode	Actively
Average power (mW)	1000 Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>100
Rep. rate	10kHz
Pulse duration (ns) ¹	~12
Peak power (kW)	~8
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e ² , mm)	~1.0
M ²	<1.2
Polarization ratio	>100:1 Horizontal
Warm-up time (minutes)	<10
Beam height from base plate (mm)	103
Cooled method	Water cooled
Operating temperature (°C)	10-35
Operating voltage (VDC)	24V/20.9A
Expected lifetime (hours)	>10000

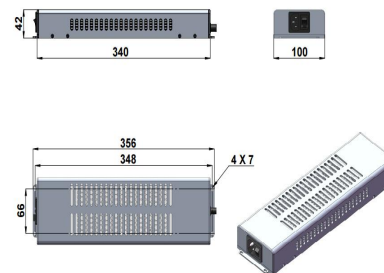


LASER HEAD (Driver Integrated)



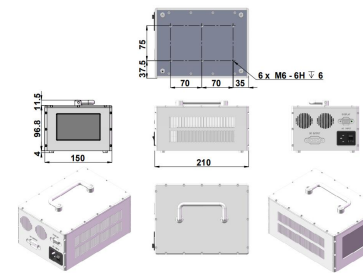
650 (L) × 220 (W) × 140 (H) mm³, 21kg

POWER SUPPLY PSU-24 (100-240VAC) optional



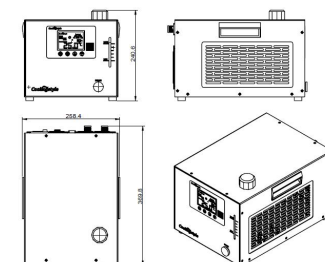
356(L) × 100 (W) × 42 (H) mm³, 2.2kg

POWER SUPPLY PSU-24-P² (100-240VAC) optional



210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg

WATER CHILLER(WCH-580)



369.8 (L) × 258.4(W) × 240.6 (H) mm³, 10.5 kg

1 Pulse width not tunable.

2 Parameters can be adjusted.(on/off, etc.)