

AO-U-532-HE/2W/4W/2mJ

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

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

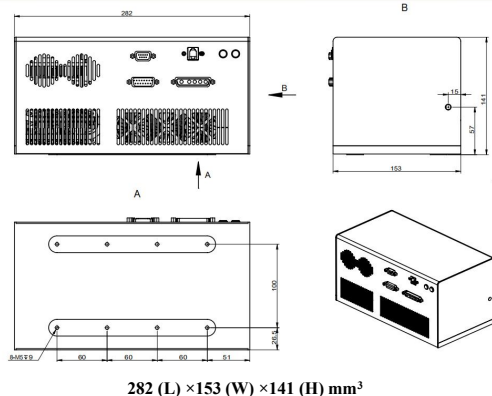


SPECIFICATIONS

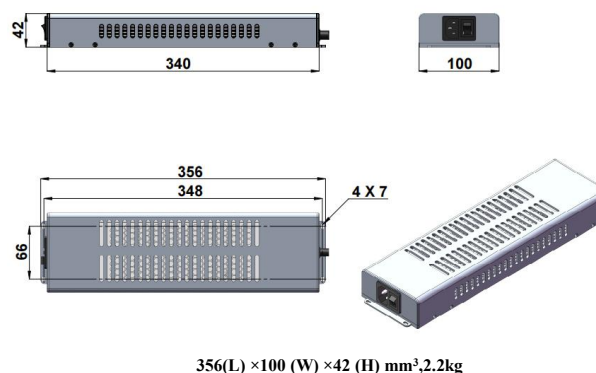
Wavelength (nm)	532±1	
Operating mode	Actively	
Average power (W)	2@1kHz	4@2kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (mJ)	~2 @1kHz	~2 @2kHz
Rep. rate ¹	1Hz-10kHz	
Pulse duration (ns) ²	~10 @1kHz	
Peak power (kW)	~200@1kHz	
Power stability (rms, 4 hours ± 3°C)	<2%, <1%	
Beam divergence, full angle (mrad)	<4	
Beam diameter at the aperture (1/e ² , mm)	~1.0	
M ²	<1.2	
Beam height from base plate (mm)	57	
Warm-up time (minutes)	<10	
Polarization ratio	>100:1 Vertical	
Cooled method	Air cooled	
Operating temperature (°C)	10-35	
Operating voltage (VDC)	24V/20.9A	
Expected lifetime (hours)	>10000	



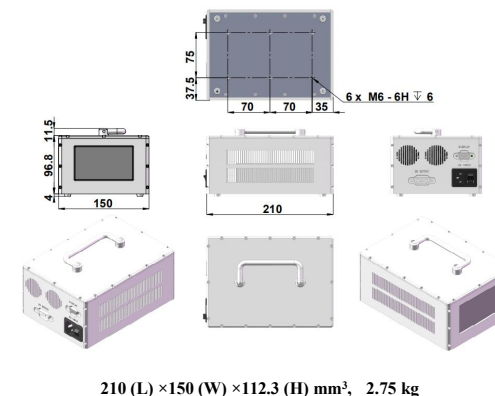
LASER HEAD (Driver Integrated)



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



POWER SUPPLY PSU-24-P³ (100-240VAC) optional



1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

3 Parameters can be adjusted.(on/off, Rep. Rate, etc.)

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