

EO-355-G/4-150uJ

HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 355nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.

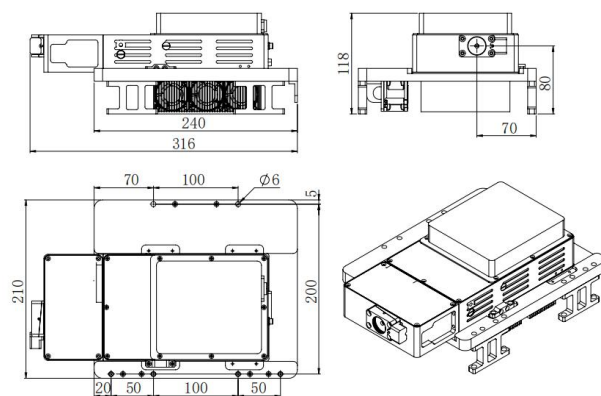


SPECIFICATIONS

Wavelength (nm)	355±1		
Operating mode	Actively		
Single pulse energy (uJ) ¹	4-150@1kHz	4-150@5kHz	4@25kHz
Pulse duration (ns)	<6@1kHz	<6@5kHz	<13@25kHz
Rep. rate ²	1Hz-1kHz	1-7kHz	1-25kHz
Power stability (rms, 4 hours ±3°C)	<5%, <3%		
Pointing stability over temperature (urad/°C)	<20		
Beam divergence, full angle (mrad)	<3		
Beam diameter (mm)	~1		
Beam height from base plate (mm) ³	80, 56		
Warm-up time (minutes)	<15		
Cooled method ⁴	Air cooled or water cooled		
Operating temperature (°C)	15-30		
Power supply (24VDC)	PSU-EO-G (24V/13A)		
Expected lifetime (hours)	>10000		

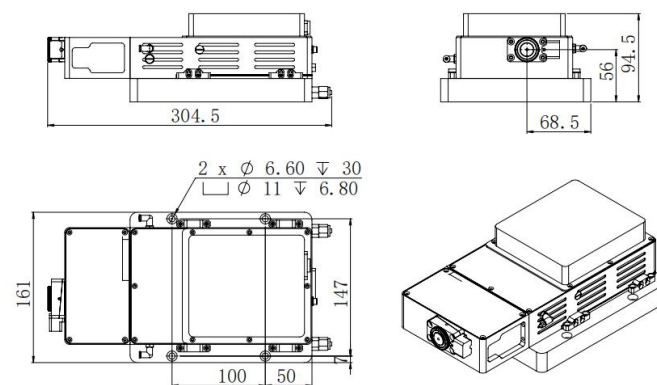


LASER HEAD (EO-355-G-I)⁵

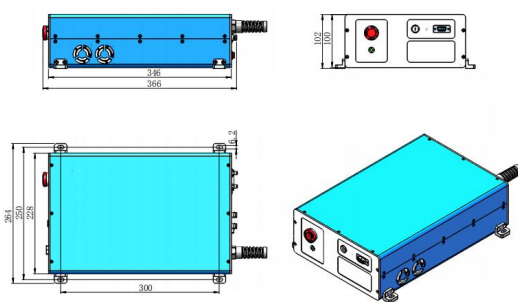
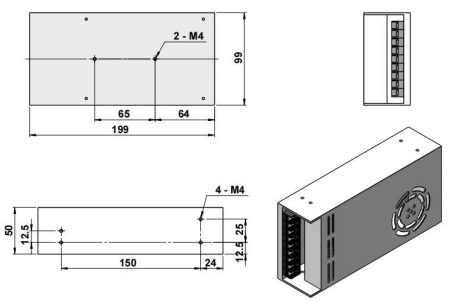
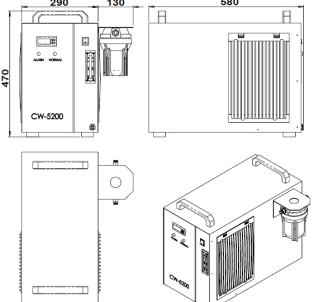


316(L)×210(W)×118(H)mm³, 6kg

LASER HEAD (EO-355-G-II)⁶



304.5(L)×161(W)×94.5(H)mm³, 5.4kg

DRIVER (PSU-EO-G)	POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-1500)
 366(L)×264(W)×102 (H)mm³, 6.5kg	 580(L) ×290(W) ×470(H) mm³, 0.95 kg	 580(L) ×290(W) ×470(H) mm³, 24 kg

- 1 The energy varies with different frequency; Higher energy can be customized.
- 2 Higher frequency can be customized.
- 3 Beam height from base plate is 80mm at air cooled, 56mm at water cooled.
- 4 Air cooled (all power); Water cooled (all power).
- 5 Air cooled.
- 6 Water cooled.