

EO-532-G/10-1500uJ

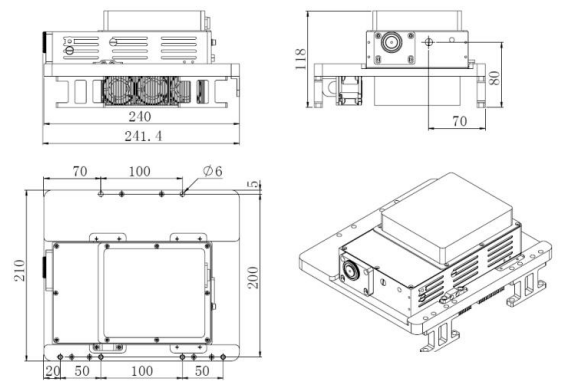
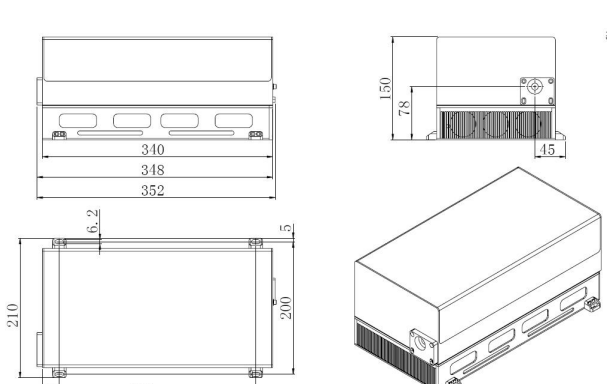
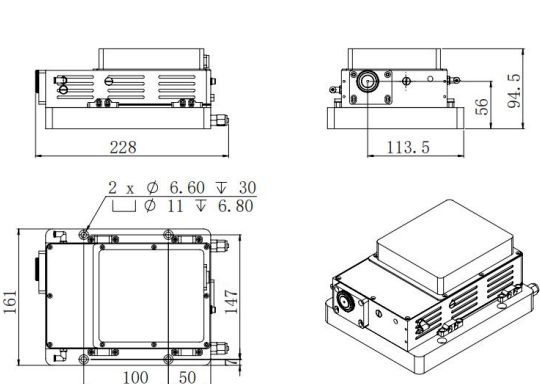
**HIGH ENERGY DIODE
PUMPED ALL-SOLID-STATE
Q-SWITCHED LASER**

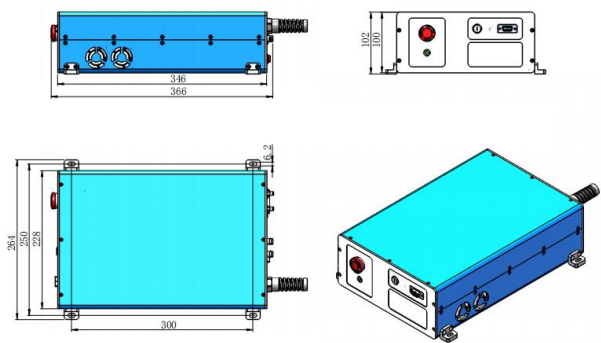
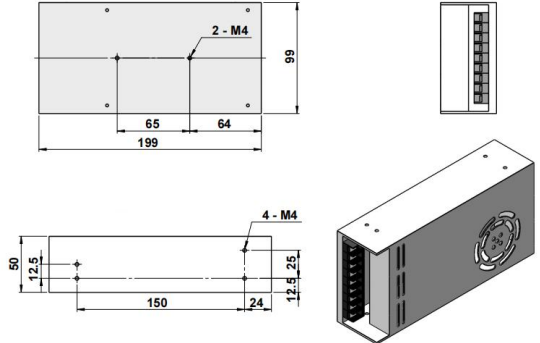
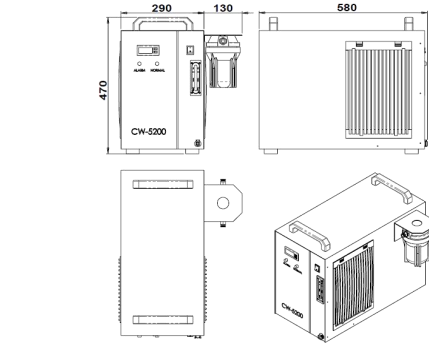
High energy diode pumped all solid state Q-switched laser at 532nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in radar, topography measurement, marking, ranging, glass carving, micro-processing, scientific research, and so on.

SPECIFICATIONS

Wavelength (nm)	532±1			532±1
Operating mode	Actively			Actively
Average power (W) ¹	0.05-2@5kHz	0.25-3.75@25kHz	0.02-3@2kHz	0.5-3@50kHz
Single pulse energy (uJ)	10-400@5kHz	10-150@25kHz	10-1500@2kHz	10-60@50kHz
Pulse duration (ns)	<8@5kHz	<15@25kHz	<15@2kHz	<8@50kHz
Rep. rate ²	1-25kHz		1-3kHz ³	1-100kHz
Power stability (rms, 4 hours ±3°C)	<2%, <1%			<2%, <1%
M ²	<1.2		<2	<2
Pointing stability over temperature (urad/°C)	<20			<20
Beam divergence, full angle (mrad)	<3			<3
Beam diameter (mm)	~1			~1
Beam height from base plate (mm)	80, 56 ⁴			78
Warm-up time (minutes)	<15			<15
Cooled method	Air cooled (EO-532-G-I) or Water cooled (EO-532-G-III) ⁵			Air cooled (EO-532-G-II)
Operating temperature (°C)	15-30			15-30
Power supply (24VDC)	PSU-EO-G (24V/13A)			PSU-EO-G (24V/13A)
Expected lifetime (hours)	>10000			



LASER HEAD (EO-532-G-I) ⁶	LASER HEAD (EO-532-G-II) ⁷	LASER HEAD (EO-532-G-III) ⁸
 241.4(L)×210(W)×118(H)mm³, 5.8kg	 352(L)×210(W)×150(H)mm³, 10kg	 228L)×161(W)×94.5(H)mm³ 5.2kg

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 output power and energy varies with different frequency; Higher energy can be customized.
- 2 Frequency is adjustable, adjust the step size to 1kHz.
- 3 One fixed value between 1k-3kHz.
- 4 Beam height from base plate is 80mm at air cooled, 56mm at water cooled.
- 5 Air cooled (all power); Water cooled (all power).
- 6 Air cooled.
- 7 Air cooled.
- 8 Water cooled.