

EO-1064-PS/5-20W

**HIGH POWER DIODE
PUMPED ALL-SOLID-STATE
MODE LOCKED LASER**

High average power diode pumped all solid state laser at 1064nm has the features of short pulse duration, high repetition rate and high average power, which is widely used in industrial processing, glass cutting, physics experiment, scientific research, and so on.

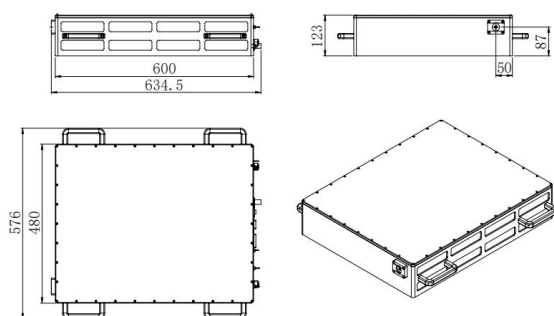


SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Pulsed
Average power (W) ¹	5-20@1MHz
Output energy (uJ)	1-150@200KHz
Power stability (rms, 4 hours ±3°C)	<5%, <3%
Pulse duration (ps)	<15
M ²	≤1.3
Pointing stability over temperature (urad/°C)	<50
Ellipticity	>85%
Polarization	100:1
Beam diameter (mm)	1.5±0.5
Beam divergence, full angle (mrad)	≤2
Repetition frequency (KHz)	1-1000
Control mode	Gate/burst/INT control
Beam height from base plate (mm)	87 (EO-1064-PS-I); 90 (EO-1064-PS-II)
Cooled method	Water cooled
Warm-up time (minutes)	<15
Operating temperature (°C)	15-30
Relative humidity	<60%
Power supply (110/220VAC)	PSU-EO-PS
Expected lifetime (hours)	>10000

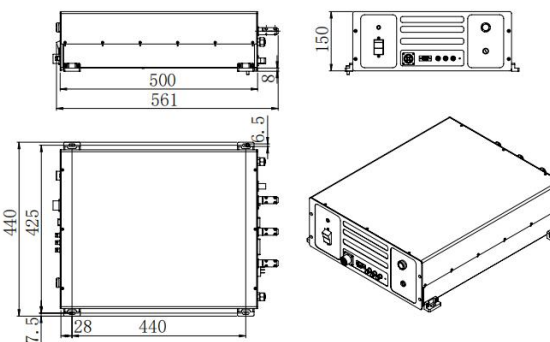


LASER HEAD (EO-1064-PS-I)³



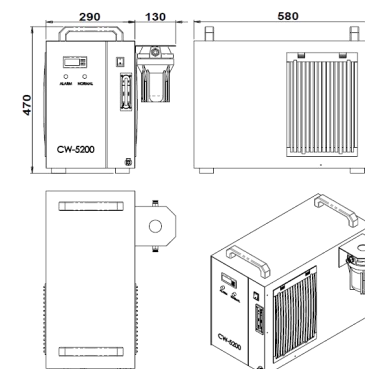
634.5(L)×576(W)×123(H) mm³, 45kg

POWER SUPPLY (PSU-EO-PS-I)

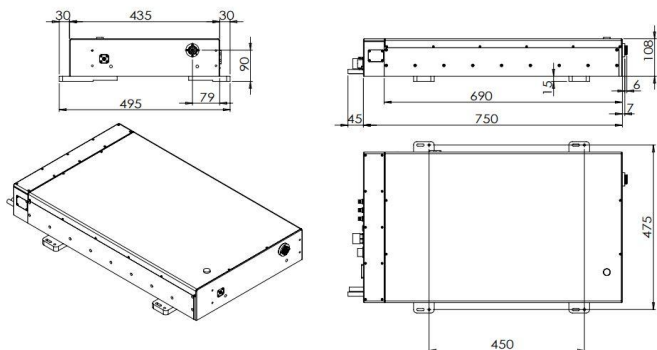
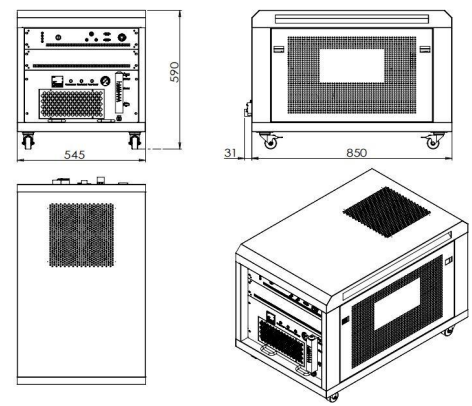


561(L)×440(W)×150(H) mm³, 20kg

WATER CHILLER (WCH-1500)



580(L)×290(W)×470(H) mm³, 24 kg

LASER HEAD (EO-1064-PS-II) ⁴	POWER SUPPLY (PSU-EO-PS-II)
 808(L)×495(W) ×108(H) mm³, 50.8kg	 881(L)×545(W) ×590(H) mm³, 105kg

- 1 The output power and energy varies with different frequency; Output power 30W and 50W can be customized.
- 2 One fixed value between 1-1000Hz; Repetition rate 1-1000Hz variable and other frequency can be customized.
- 3 Output power is 5-10W.
- 4 Output power is 10-20W.