

EO-532-Subnano-Hi/1-2mJ/1-10W

**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 laser engraving, non-linear optics, scientific research, OPO and so on.

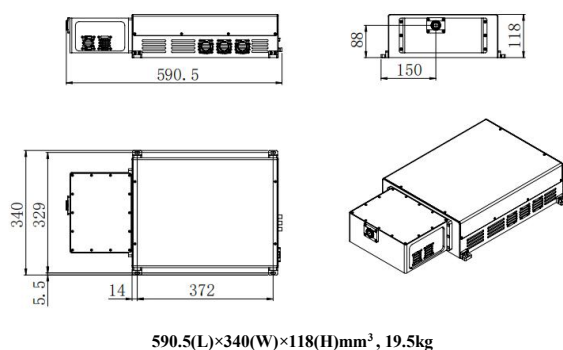


SPECIFICATIONS

Wavelength (nm)	532±1nm	
Operating mode	Actively	
Single pulse energy (mJ) ¹	10uJ-1mJ@5kHz	1-2mJ@5kHz
Average power (W)	50mW-5W	5-10W
Power stability (rms, 4 hours ±3°C)	<5%, <3%, <2%	
Pulse duration (ns)	<1.5ns@5kHz	1.5-2ns@5kHz
Rep. rate ²	100Hz-10kHz	
Beam diameter (mm)	~1.2mm	~1.5mm
Beam divergence, full angle (mrad)	<3mrad	
Cooled method ³	Air cooled or water cooled	
Warm-up time (minutes)	<15	
Operating voltage (VDC)	24V/21A	
Operating temperature (°C)	15-30	
Expected lifetime (hours)	>10000	
Fiber core diameter	1mm, 0.22NA	
Fiber connector	SMA905	
Fiber length(m) ⁴	1	
Fiber Jacket	Metal	

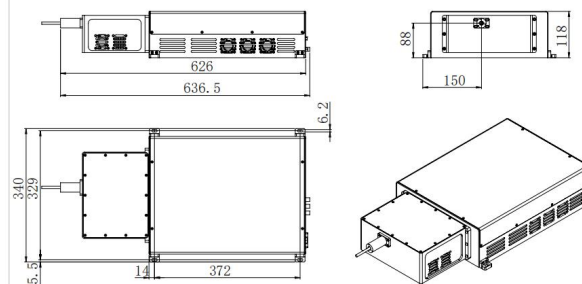


LASER HEAD (Driver integrated)
(EO-532-Subnano-Hi-I)⁵



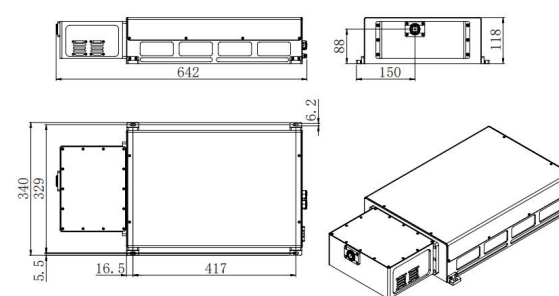
590.5(L)×340(W)×118(H)mm³, 19.5kg

LASER HEAD (Driver integrated)
(EO-532-Subnano-Hi-II)⁶

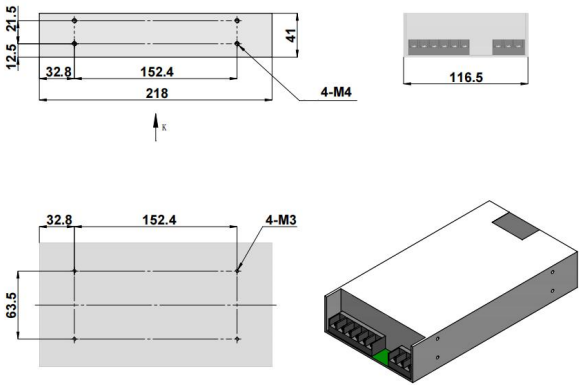
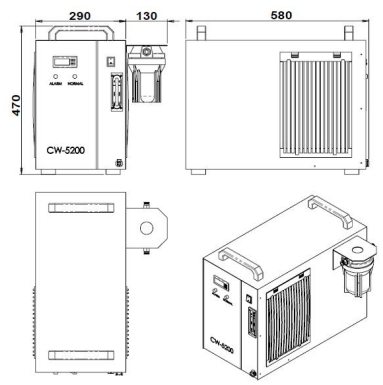


636.5(L)×340(W)×118(H)mm³, 19.6kg

LASER HEAD (Driver integrated)
(EO-532-Subnano-Hi-III)⁷



642(L)×340(W)×118(H)mm³, 21.5kg

POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-1500)
 218(L)×116.5(W)×41(H)mm³, 1.1kg	 580(L) × 290(W) × 470(H) mm³, 24 kg

- 1 The energy and output power was measured at 5kHz, the value varies with different frequency .
- 2 One fixed value between 100Hz-10kHz. Repetition rate 100Hz-10kHz variable can be customized.
- 3 Air cooled (≤ 1 kHz); Water cooled (all frequency).
- 4 Other lengths are available on request.
- 5 Air cooled and free space output.
- 6 Air cooled and fiber coupled output.
- 7 Water cooled and free space output.