

HPL-440-Q/1~2W

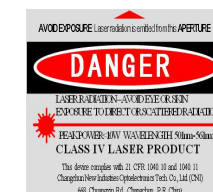
SPECIFICATIONS

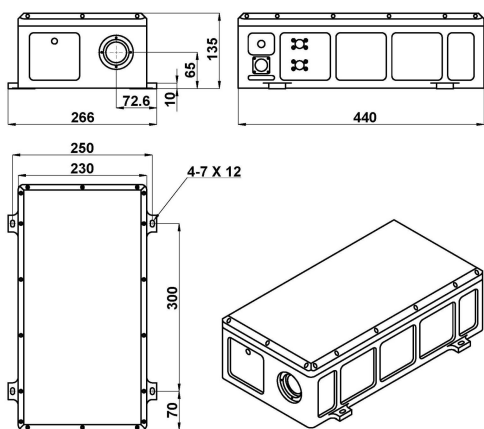
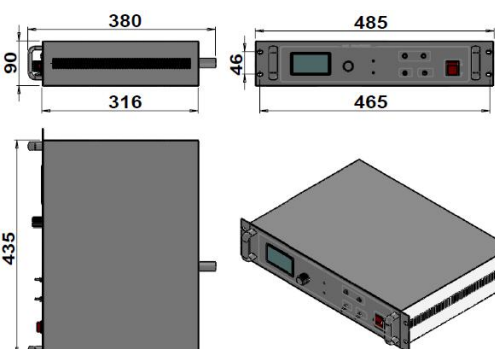
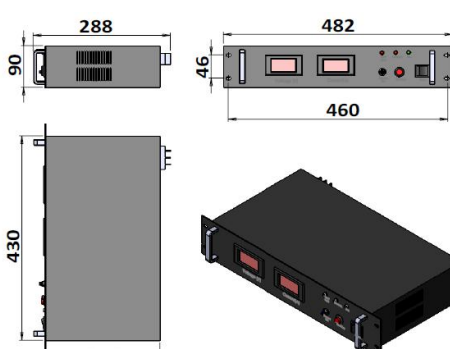
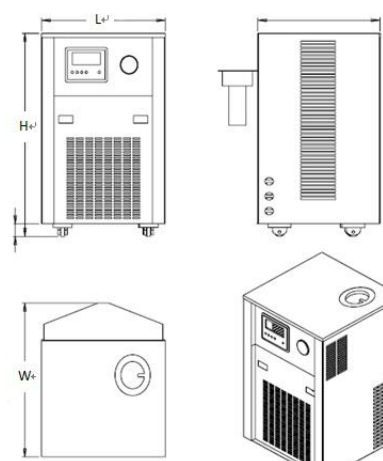
**WATER COOLING LD PUMPED  
ALL-SOLID-STATE Q-SWITCHED  
BLUE LASER at 440nm**

All solid state Q-switched blue laser at 440nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, scientific research, and so on.



Wavelength (nm)	440±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	1~2
Pulse duration (ns)	~100 @10kHz&2W
Rep. rate (kHz)	10 (It is possible to customize other repetition rates )
Ave power stability (over 4 hours)	<3%, <5%
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (mm)	<6
Beam height from base plate (mm)	65
Warm-up time (minutes)	<10
Cooled method	Water Cooled (Choose water chiller according to power)
Operating temperature (°C)	15~35
Power supply (220V AC)	PSU-HPL-Q & PSU-HPL-CW
Expected lifetime (hours)	10000
Warranty period	1 year



HPL-440-QM	PSU-HPL-Q	PSU-HPL-CW	Water Chiller
 <p>440 (L) × 266 (W) × 135 (H) mm<sup>3</sup>, 15kg</p>	 <p>380 (L) × 485 (W) × 90 (H) mm<sup>3</sup>, 7.5kg</p>	 <p>288 (L) × 482 (W) × 90 (H) mm<sup>3</sup>, 5.5kg</p>	 <p>435 (L) × 560 (W) × 760 (H) mm<sup>3</sup>, 60kg 470 (L) × 565 (W) × 900 (H) mm<sup>3</sup>, 75kg</p>