

HPL-1319-Q/20~50W

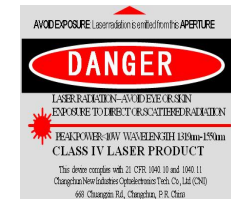
SPECIFICATIONS

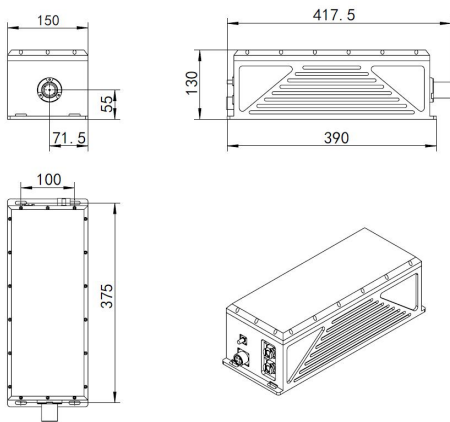
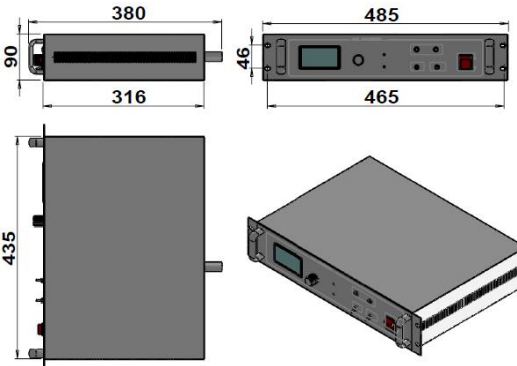
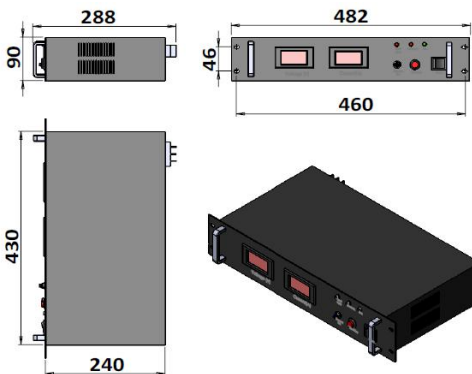
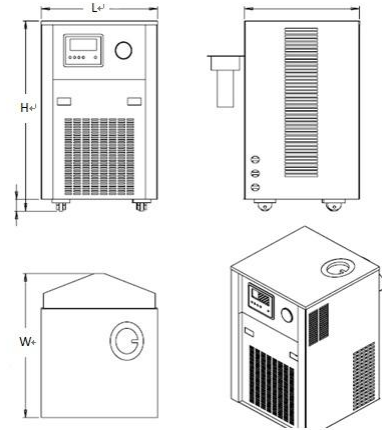
**WATER COOLING LD PUMPED
ALL-SOLID-STATE Q-SWITCHED
INFRARED LASER at 1319nm**

All solid state Q-switched infrared laser at 1319nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, science research, and so on.



Wavelength (nm)	1319±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	1~20@10kHz	1~50@10kHz
Pulse duration (ns)	~250 @10kHz&50W	
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates)	
Single pulse energy (mJ)	2	5
Peak power (kW)	8 @ 10kHz&20W	20 @10kHz&50W
Ave power stability (over 4 hours)	<3%, <5%	
Beam diameter at the aperture (mm)	<9	<12
Beam height from base plate (mm)	55	
Warm-up time (minutes)	<10	
Cooled method	Water Cooled (Choose water chiller according to power)	
Operating temperature (°C)	15~35	
Power supply (220/110VAC)	PSU-HPL-Q & PSU-HPL-CW	
Expected lifetime (hours)	10000	
Warranty period	1 year	



HPL-1319-Q	PSU-HPL-Q	PSU-HPL-CW	Water Chiller (WCH-1600)
 <p>417.5 (L) × 150 (W) × 130 (H) mm³, 7.5kg</p>	 <p>380 (L) × 485 (W) × 90 (H) mm³, 7.5kg</p>	 <p>288 (L) × 482 (W) × 90 (H) mm³, 5.5kg</p>	 <p>435 (L) × 560 (W) × 760 (H) mm³, 60kg 470 (L) × 565 (W) × 900 (H) mm³, 75kg</p>