

HPL-1064-Q/50~100W

**WATER COOLING LD PUMPED  
ALL-SOLID-STATE Q-SWITCHED  
INFRARED LASER at 1064nm**

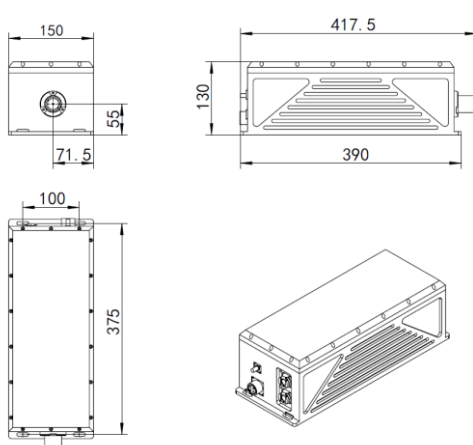
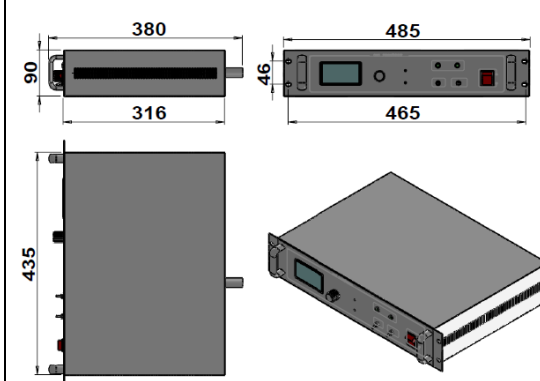
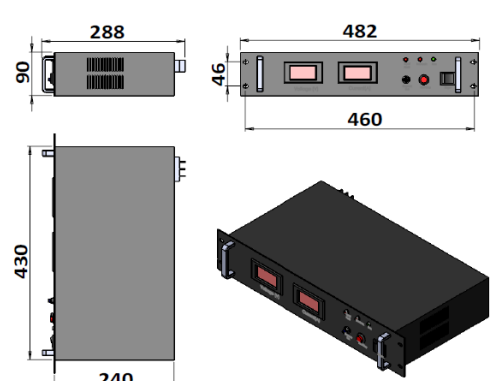
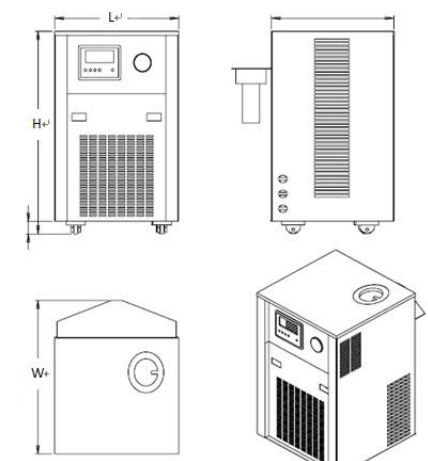
All solid state AOM Q-switched infrared laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, science research, and so on.



SPECIFICATIONS

Wavelength (nm)	1064 ±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	50@10kHz	100@10kHz
Pulse duration (ns)	~100 @10kHz&100W	
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates )	
Single pulse energy (mJ)	5	10
Peak power (kW)	50 @10kHz&50W	100 @10kHz&100W
Ave power stability (over 4 hours)	<3%, <5%	
Beam divergence, full angle (mrad)	<3.5	
Beam diameter at the aperture (mm)	<6	<9
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	
Pilot light (optional)	5mW @650nm(optional)	



HPL-1064-Q	PSU-HPL-Q	PSU-HPL-CW	Water Chiller
 <p>417.5 (L) ×150(W) ×130(H) mm<sup>3</sup>, 7.5kg</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>