

HPL-1319-QM/50~100W

SPECIFICATIONS

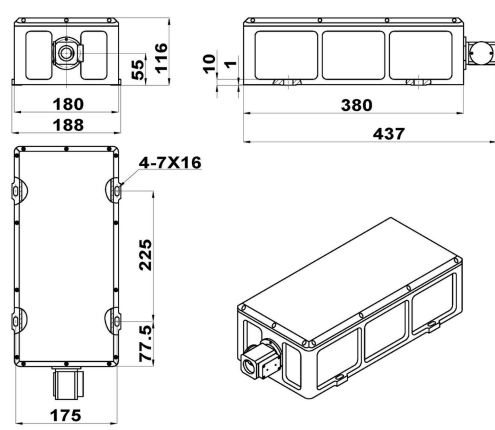
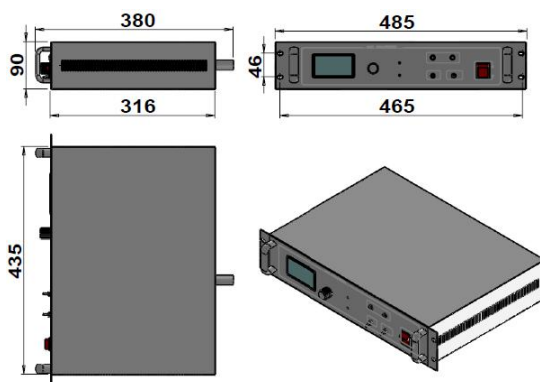
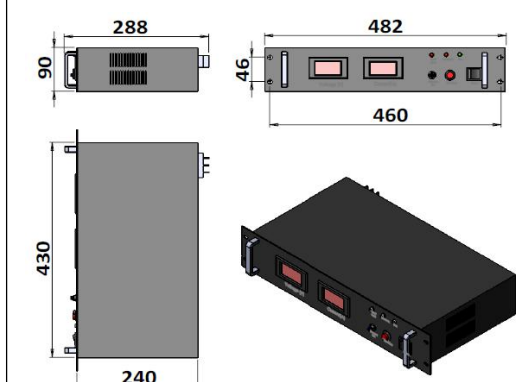
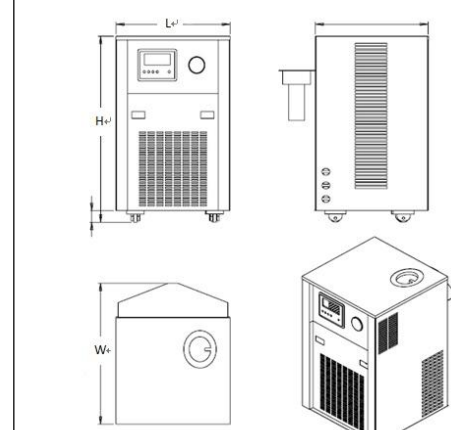
**WATER COOLING LD PUMPED
ALL-SOLID-STATE Q-SWITCHED
LASER at 1319nm**

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)	50~100@10kHz
Pulse duration (ns)	~250 @10kHz&100W
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates)
Single pulse energy (mJ)	10
Peak power (kW)	40 @ 10kHz&100W
Ave power stability (over 4 hours)	<3%, <5%
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (mm)	<15
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-QM	PSU-HPL-Q	PSU-HPL-CW	Water Chiller (WCH-1600)
 <p>437(L)×188(W)×116(H) mm³, 15kg</p>	 <p>380(L)×485(W)×90(H) mm³, 7.5kg</p>	 <p>288(L)×482(W)×90(H) mm³, 5.5kg</p>	 <p>470 (L)×565(W)×900(H) mm³, 75kg 525 (L)×595(W)×1015(H) mm³, 95kg</p>