

HPL-1319-QM/100W

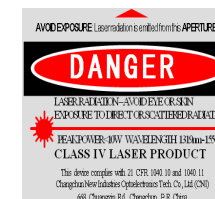
**WATER COOLING LD PUMPED  
ALL-SOLID-STATE Q-SWITCHED  
LASER at 1319nm**

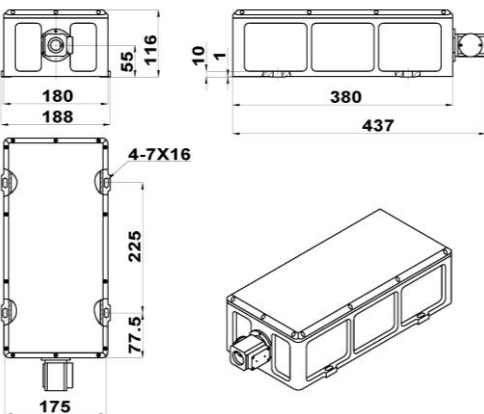
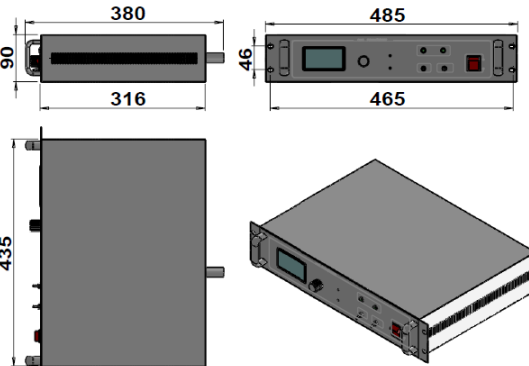
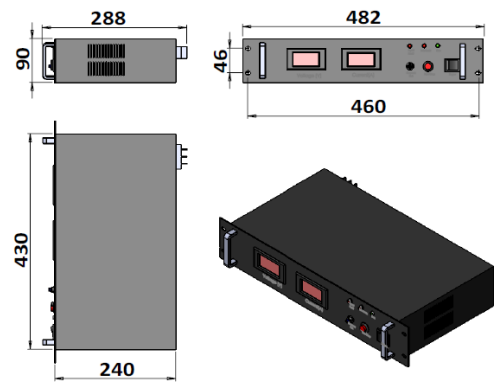
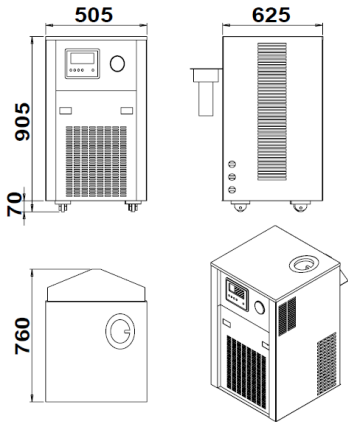
All solid state Q-switched infrared laser at 1319nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, science research, military, and so on.



SPECIFICATIONS

Wavelength (nm)	1319±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Average power (W)	>100
Pulse duration (ns)	~250 @ 10kHz
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates )
Single pulse energy (mJ)	>10 @10kHz
Peak power (kW)	>65 @ 10kHz
Ave power stability (over 4 hours)	<3% or <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
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-HPL(2U×2)
Expected lifetime (hours)	10000
Warranty period	1 year



HPL-1319-QM(100W)	PSU-HPL-Q(2U)	PSU-HPL-CW(2U)	Water Chiller
 <p>437(L)×188(W)×116(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>505 (L)×625(W)×975(H) mm<sup>3</sup>, 95kg</p>