

HPL-1064-QM/100-300W

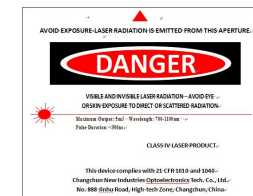
**WATER COOLING LD PUMPED
ALL-SOLID-STATE Q-SWITCHED
INFRARED LASER at 1064nm**

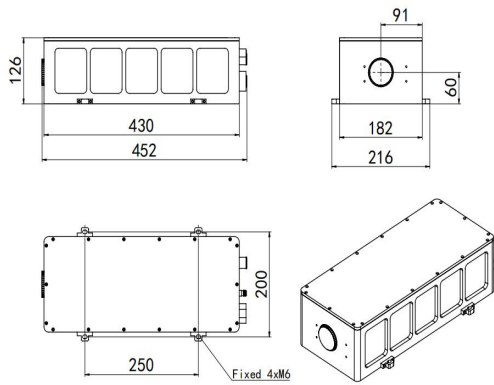
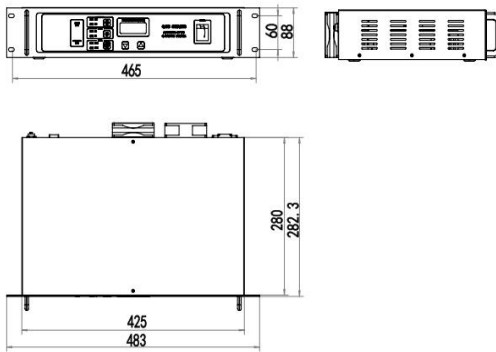
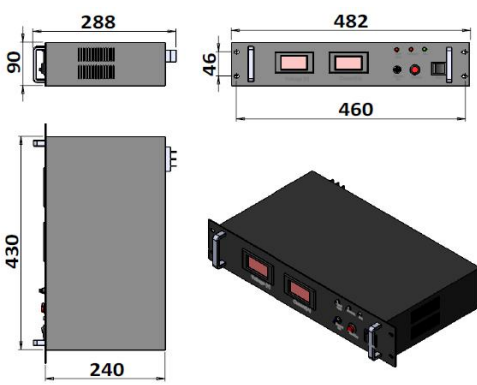
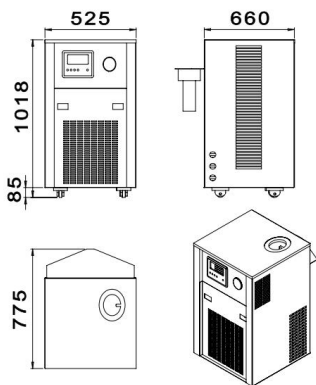
All solid state AOM Q-switched infrared laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, science research, and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Actively
Average power (W) ¹	100-300
Pulse duration (ns)	~300 @10kHz&300W
Rep. rate ²	10-20 kHz
Single pulse energy (mJ)	10-30@10kHz
Peak power (kW)	33-100
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e2,mm)	<15
Beam height from base plate (mm)	60
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (°C)	15-35
Power supply (220-240AC)	PSU-HPL-Q & PSU-HPL-CW*2
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY	POWER SUPPLY	WATER CHILLER
 452 (L)×1216(W)×126(H) mm³, 15kg	 290(L)×483(W)×88(H) mm³, 7.5kg	 288 (L)×482(W)×90(H) mm³, 5.5kg	 525 (L)×660(W)×1018(H) mm³, 75kg

1 Any power level can be selected in this range.

2 Other rep.rate range available on request.