



# Lasertack New Laser Generation

HPL-1064-QM/200~300W

## SPECIFICATIONS

### 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, military, and so on.



Wavelength (nm)	1064±1	
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)	
Average power (W)	>200	>300
Pulse duration (ns)	~150 @10kHz	~300 @10kHz
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates )	
Single pulse energy (mJ)	>20 @10kHz	>30 @10kHz
Peak power (kW)	>200 @10kHz	>300 @10kHz
Ave power stability (over 4 hours)	<3% or <5%	
Beam divergence, full angle (mrad)	<3.5	
Beam diameter at the aperture (mm)	≥12	≥15
Beam height from base plate (mm)	55	
Warm-up time (minutes)	<10	
Cooled method	Water Cooled	
Operating temperature (°C)	15~35	
Power supply (220V AC)	PSU-HPL(2U×2)	
Expected lifetime (hours)	10000	
Warranty period	1 year	
Pilot light (optional)	5mW @650nm(optional)	



HPL-1064-QM(200~300W)	PSU-HPL-Q(2U)	PSU-HPL-CW(2U)	Water Chiller
<p>437(L)×188(W)×116(H) mm<sup>3</sup>, 15kg(200W)</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>475(L)×575(W)×805(H) mm<sup>3</sup>, 71kg(200W) 505(L)×625(W)×905(H) mm<sup>3</sup>, 95kg(&gt;200W)</p>