

**HPL-1064-Q/5~10mJ/50~100W**

### LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER


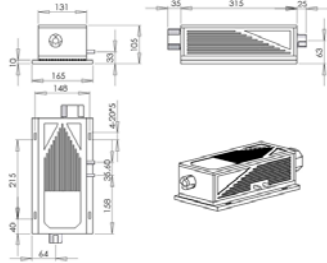


All solid state AOM Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



#### SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Single pulse energy (mJ)	5~10
Pulse duration (ns)	~85
Peak power (kW)	50~100
Rep. rate (kHz)	1~100, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 50~100@10kHz, typical
Ave power stability (over 4 hours)	<3%, <5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (mm)	~7.0
Beam height from base plate (mm)	65.0
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-HPL-Q(4U)
Expected lifetime (hours)	10000
Warranty period	1 year
Pilot light (optional)	5mW @650nm



HPL-1064-Q	PSU-HPL-Q(4U)	Water chiller
 <p>375 (L) ×165(W) ×105(H) mm<sup>3</sup>, 7.8kg</p> 	 <p>460(L) ×320(W) ×180(H) mm<sup>3</sup>, 14.3kg</p>	 <p>424 (L)×524(W)×815(H) mm<sup>3</sup>, 69kg, 50W laser 474 (L)×574(W)×875(H) mm<sup>3</sup>, 71kg, 100W laser</p>