

**HPL-1064-Q/6.6~20mJ/100~300W**

## 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)	6.6~20
Pulse duration (ns)	~200
Peak power (kW)	33~100
Rep. rate (kHz)	1~100, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 100~300@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)	~15.0
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
 375 (L) × 165(W) × 105(H) mm <sup>3</sup> , 7.8kg	 460(L) × 320(W) × 180(H) mm <sup>3</sup> , 14.3kg	 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
