

**HPL-589-Q/3~10mJ/10~50W**

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


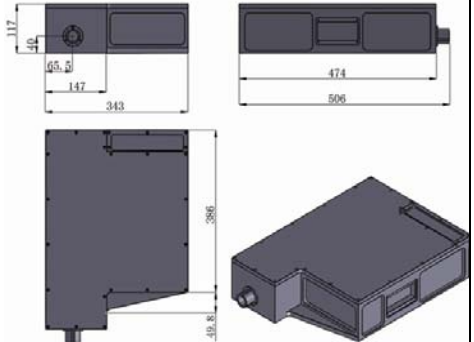


All solid state AOM Q-switched laser at 589nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in measurement, research, and so on.



#### SPECIFICATIONS

Wavelength (nm)	589±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Single pulse energy (mJ)	3.0~10.0
Pulse duration (ns)	~150
Peak power (kW)	20~66
Rep. rate (kHz)	1~20, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 0~50@5kHz, typical
Ave power stability (over 4 hours)	<3%, <5%
Warm-up time (minutes)	<15
Beam divergence, full angle (mrad)	<3.0
Beam diameter at the aperture (mm)	~15.0
Beam height from base plate (mm)	40.0
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-HPL-Q(8U)
Expected lifetime (hours)	10000
Warranty period	1 year



HPL-589-Q		PSU-HPL-Q(8U)	Water chiller
 <p>506 (L) × 343 (W) × 117 (H) mm<sup>3</sup></p>			 <p>504 (L) × 624 (W) × 905 (H) mm<sup>3</sup>, 95kg</p>