



HPL-589.159-Q/1~5W

**WATER COOLING LD PUMPED
ALL-SOLID-STATE Q-SWITCHED
YELLOW LASER at 589.159nm**

All solid state AOM Q-switched laser at 589.159nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in Laser Guide Star (LGS), Laser radar, Laser medical treatment, City view, and so on.



SPECIFICATIONS

Wavelength (nm)	589.159±0.001
Operating mode	Acousto-Optics Q-switched
Average power (W)	1~5 (nonadjustable)
Rep. rate (kHz)	5
Pulse duration (ns)	100~150@5W(nonadjustable)
Single pulse energy (mJ)	1mJ @5W(nonadjustable)
Pulse linewidth (GHz)	3
Spectrum tuning range (GHz)	15
Peak power (kW)	8
Ave power stability (over 4 hours)	<3% or <5%
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (mm)	~18
Warm-up time (minutes)	<15
Beam height from base plate (mm)	90
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220V AC)	PSU-HPL-589.159
Expected lifetime (hours)	10000
Warranty period	1 year



HPL-589.159-Q	PSU-HPL-589.159	WCH-3600
<p>556(L) × 405.5(W) × 150(H) mm³, 33kg</p>	<p>550(L) × 610(W) × 890(H) mm³, 84kg</p>	<p>505 (L) × 625(W) × 975(H) mm³, 95kg</p>