

HPL-Q-556/20~50W

SPECIFICATIONS

**WATER COOLING LD PUMPED
ALL-SOLID-STATE Q-SWITCHED
YELLOW LASER at 556nm**

All solid state Q-switched yellow laser at 556nm has the features of high power, high repetition rate, and short pulse duration, which is widely used in communication, military, laser medical treatment, scientific experiment, optical instrument, and so on.



Wavelength (nm)	556±1	
Operating mode	Acousto-Optics Q-switched	
Average power (W)	20	50
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates)	
Pulse duration (ns)	~100 @ 10kHz	
Single pulse energy (mJ)	2 @ 10kHz&20W	5 @ 10kHz&50W
Peak power (kW)	20 @ 10kHz&20W	50 @ 10kHz&50W
Power stability (RMS, over 4 hours)	<3%, <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)	10~35	
Power supply (220V AC)	PSU-HPL (2U×2)	
Expected lifetime (hours)	10000	
Warranty period	1 year	



HPL-556-Q	PSU-HPL-Q (2U)	PSU-HPL-CW (2U)	Water Chiller
<p>445 (L) × 238 (W) × 124 (H) mm³, 15kg</p>	<p>380(L) × 485(W) × 90(H) mm³, 7.5kg</p>	<p>288(L) × 482(W) × 90(H) mm³, 5.5kg</p>	<p>475 (L) × 575 (W) × 805 (H) mm³, 71kg (20W) 505 (L) × 625 (W) × 905 (H) mm³, 90kg (50W)</p>