

HPL-532-Q/2.5~4.5mJ/25~45W

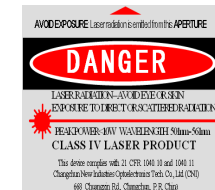
### LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at 532nm 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)	532±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Single pulse energy (mJ)	2.5~4.5
Pulse duration (ns)	~100
Peak power (kW)	25~45
Rep. rate (kHz)	1~100, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 25~45@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
Expected lifetime (hours)	10000
Warranty period	1 year



HPL-532-Q	PSU-HPL-Q		Water chiller
<p>375 (L) ×165(W) ×105(H) mm<sup>3</sup>, 7.8kg</p>	<p><b>Integrative driver</b></p> <p>340(L) ×463(W) ×221 (H) mm<sup>3</sup>, 18.5kg</p>	<p><b>Separate driver</b></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, 25W laser 474 (L) ×574(W) ×875(H) mm<sup>3</sup>, 71kg, 45W laser</p>