

HPL-556-Q/20 -50W

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

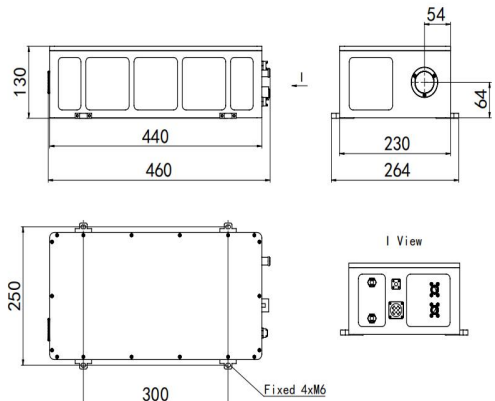
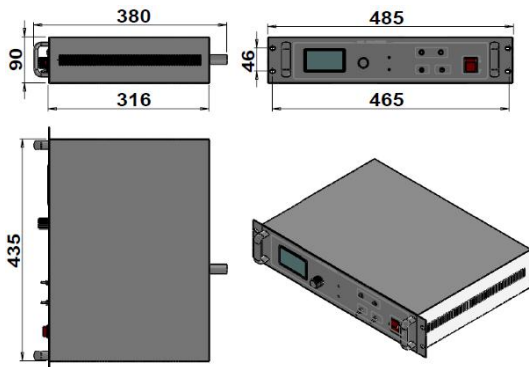
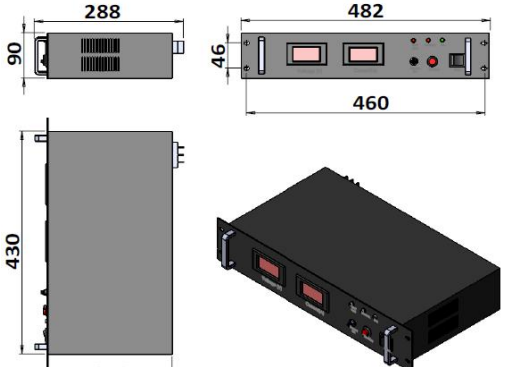
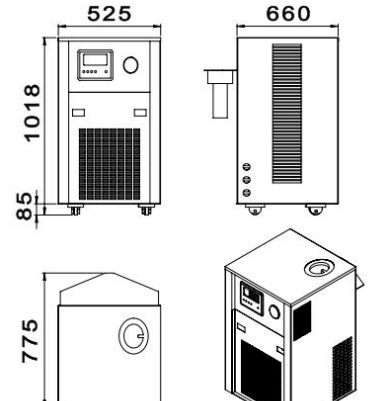
All solid state Q-switched yellow laser at 556nm has the features of high power, high repetition rate, and short pulse duration, which is widely used in communication, laser medical treatment, scientific experiment, optical instrument, and so on.



SPECIFICATIONS

Wavelength (nm)	556±1
Operating mode	Actively
Average power (W)	20-50
Rep. rate (kHz)	10-20
Pulse duration (ns) ¹	~100
Single pulse energy (mJ)	2-5
Peak power (kW)	20-50
Power stability (rms, 4 hours ± 3°C)	<5%, <3%
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e ² , mm)	<12
Beam height from base plate (mm)	64
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (°C)	15-35
Power supply (220-240AC)	PSU-HPL-Q & PSU-HPL-CW
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY	POWER SUPPLY	WATER CHILLER
 460 (L) × 264(W) × 130(H) mm³, 18kg	 380(L) × 485(W) × 90(H) mm³, 7.5kg	 288(L) × 482(W) × 90(H) mm³, 5.5kg	 525 (L) × 660(W) × 1018(H) mm³, 95kg

¹ Pulse width not tunable, the value varies with different frequency.