HPL-589-Q/1-50W

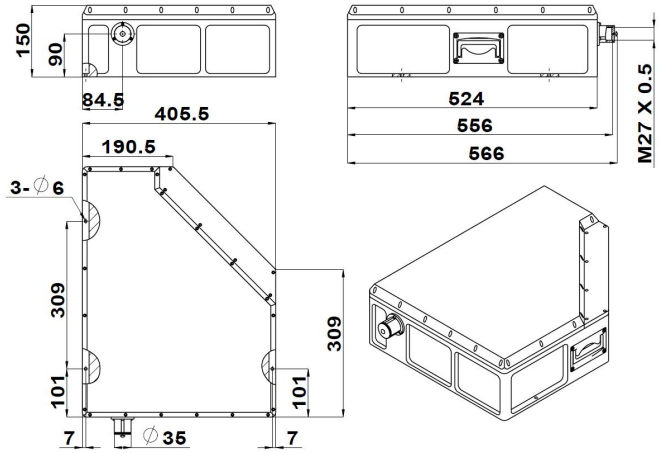
WATER COOLING LD PUMPED ALL-SOLID-STATE Q-SWITCHED YELLOW LASER AT 589nm

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, City view, and so on.

SPECIFICATIONS

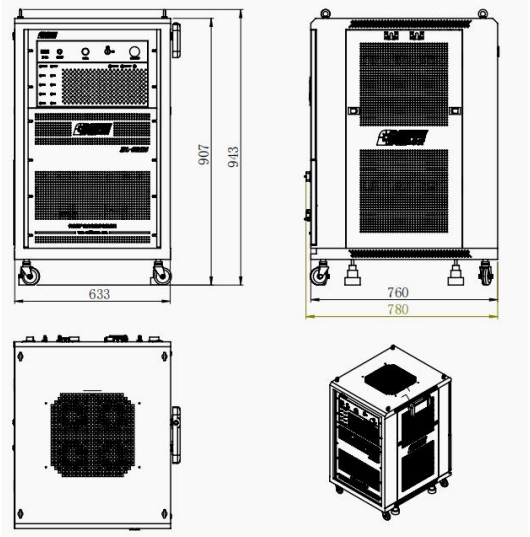
Wavelength (nm)	589±1	
Operating mode	Actively	
Average power (W)[1]	1-25	25-50
Rep. rate [2]	10kHz	
Pulse duration (ns)[3]	150±50	
Power stability (rms)	<3%, <2%	<3%, <2%, <1%
Beam divergence, full angle (mrad)	<3	
Beam diameter at the aperture (mm)	~18	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	90	110
Cooled method	Water cooled	
Operating temperature (℃)	15-35	
Power supply (110/220VAC)	PSU-HPL-Q-I/PSU-HPL-Q-II	
Expected lifetime (hours)	>10000	

LASER HEAD (HPL-589-Q-I)[4]



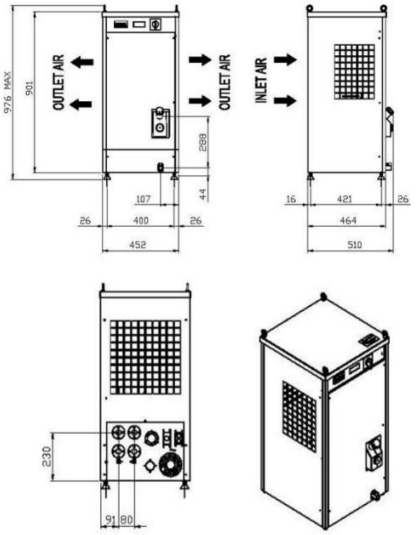
556(L) ×405.5(W) ×150(H) mm³，33kg

POWER SUPPLY (PSU-HPL-Q-I)[5]

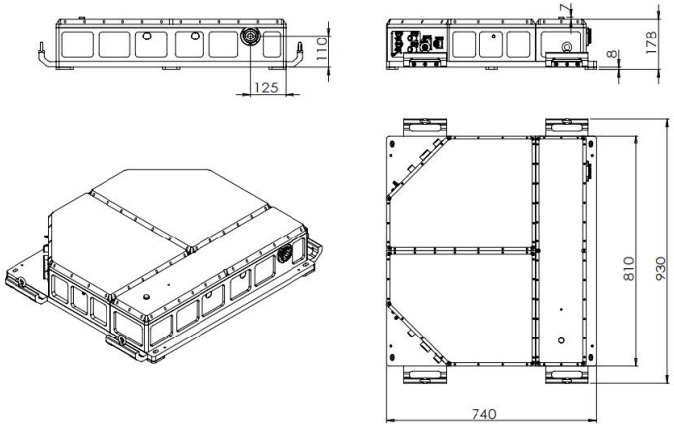
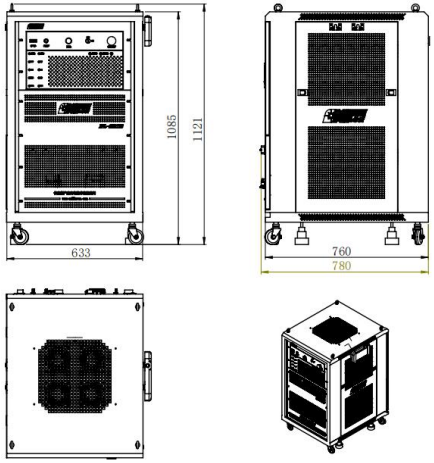
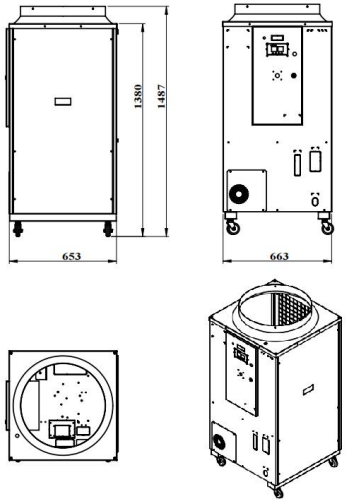


780(L) ×633(W) ×943(H) mm³，130kg

WATER CHILLER (WCH-3500)[6]



510(L) ×452(W) ×976(H) mm³, 60 kg

LASER HEAD(HPL-589-Q-II)[7]	POWER SUPPLY (PSU-HPL-Q-II)[8]	WATER CHILLER (WCH-8500)[9]
		
740(L) ×930(W) ×178(H) mm³，118kg	780(L) ×633(W) ×1121(H) mm³，150kg	653(L)×663(W)×1487(H) mm³, 150kg

1 Fixed output power.

2 Trigger frequency not tunable.

3 Pulse duration not tunable.

4 For average power between 1-25W.

5 For average power between 1-25W.

6 For average power between 1-25W.

7 For average power between 25-50W.

8 For average power between 25-50W.

9 For average power between 25-50W.