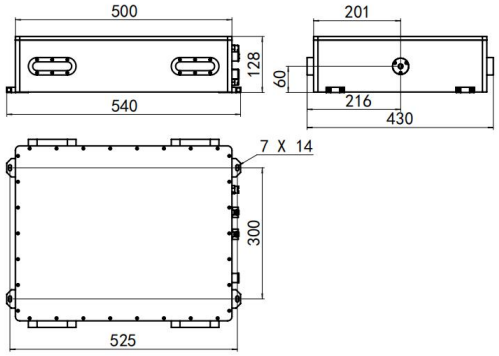
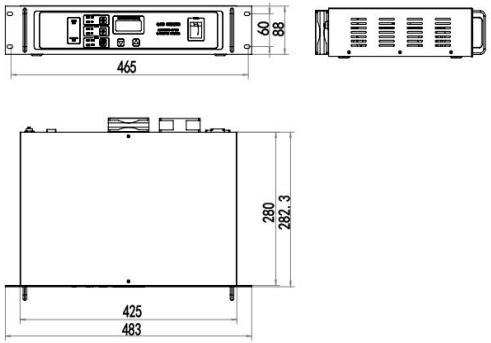
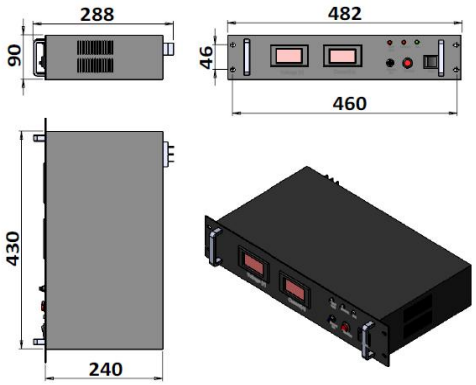
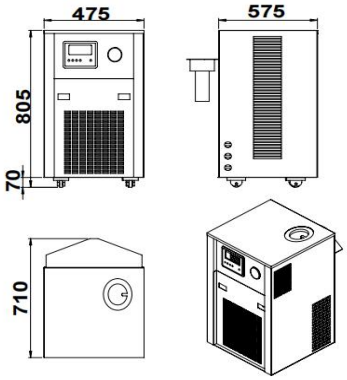
HPL-440-QM/3-6W

WATER COOLING LD PUMPED ALL-SOLID-STATE Q-SWITCHED BLUE LASER at 440nm

All solid state Q-switched blue laser at 440nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, scientific research, and so on.

SPECIFICATIONS

Wavelength (nm)	440±1
Operating mode	Actively
Average power (W) [1]	3-6
Pulse duration (ns)	~ 100 @5kHz&6W
Rep. rate [2]	5kHz
Ave power stability (rms, 4 hours±3℃)	<5%, <3%
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e2,mm)	<6
Beam height from base plate (mm)	60
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (℃)	15-35
Power supply (220-240AC)	PSU-HPL-Q & PSU-HPL-CW
Expected lifetime (hours)	>10000

LASER HEAD	POWER SUPPLY	POWER SUPPLY	WATER CHILL
			
540 (L) ×430 (W) ×128(H) mm3, 20kg	282(L) ×483(W) ×88(H) mm3, 7.5kg	288(L) ×482(W) ×90(H) mm3, 5.5kg	475 (L) ×575(W) ×805(H) mm^3, 60kg

1 Any power level can be selected in this range.
2 Other rep.rate range available on request.