OPTO-1064-H

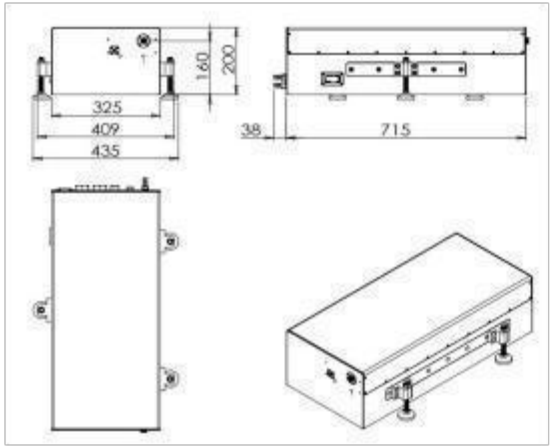
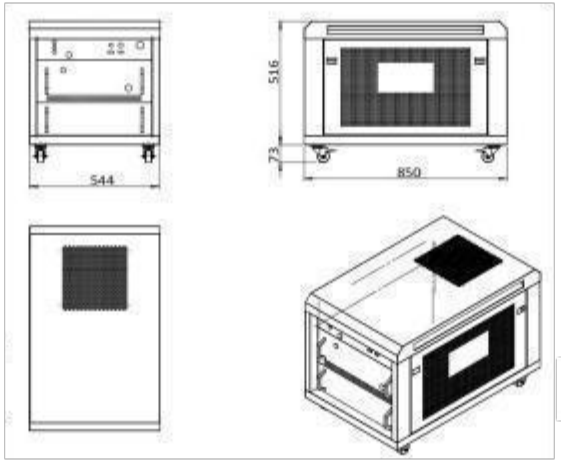
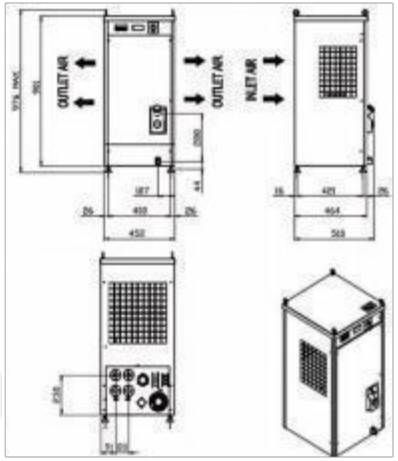
HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, high beam quality, high repetition rate, short pulse duration， and high peak power， which is widely used in scribing, cutting, laser processing, scientific research, and so on.

SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Actively
Single pulse energy (mJ)	10
Pulse duration (ns)	<5-10
Jitter (ns, sdev)	<1ns (Int.)
Rep. rate [1]	1-100Hz
Energy stability (std dev/mean)	<3%,<2%,<1%
M^2	<1.5
Beam divergence, full angle (mrad)	<2
Beam diameter (mm)	~2.5
Warm-up time (minutes)	<15
Beam height from base plate (mm)	160
Cooled method	Water cooled
Operating temperature (℃)	15-35
Power supply (110/220VAC)	PSU-DPS-H
Expected lifetime (pluses)	10^9
Available options	Repetition rate 1-200KHz



LASER HEAD	POWER SUPPLY[2]	WATER CHILLER (WCH-3500)
		
753 (L) ×435(W) ×200(H) mm³, 65kg	850 (L) ×544(W) ×589(H) mm³, 85 kg	510(L) ×452(W) ×976(H) mm³, 60 kg