

DPS-1064-G/50-300mJ

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

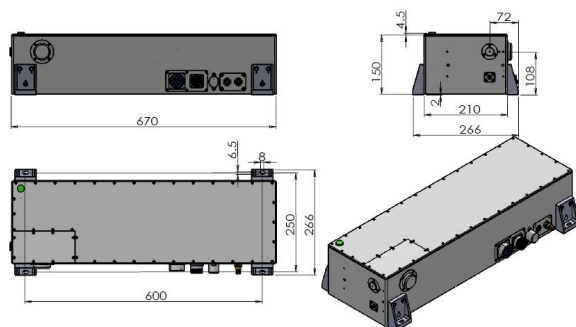
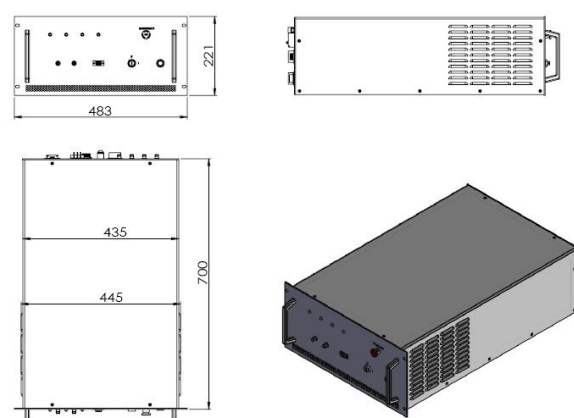
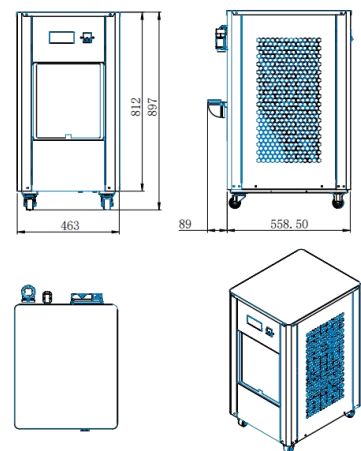
High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, high repetition rate, short pulse duration, and high peak power, which is widely used in ladar, pumped dye laser, material impact strengthening, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Actively
Single pulse energy (mJ)	50-300
Pulse duration (ns)	<12
Jitter (ns, sdev)	<1ns (Int.)
Rep. rate ¹	100Hz
Energy stability (std dev/mean)	<3%, <2%, (<1% optional)
Beam divergence, full angle (mrad)	<3
Beam diameter (mm)	~7.5
Warm-up time (minutes)	<15
Beam height from base plate (mm)	108
Cooled method	Water cooled
Operating temperature (°C)	15-35
Power supply (110/220VAC)	PSU-DPS-G
Expected lifetime (pluses)	10 ⁹
Available options	Attenuator



LASER HEAD	POWER SUPPLY ²	WATER CHILLER (WCH-2700)
 670 (L) × 266 (W) × 150 (H) mm³, 43 kg	 700 (L) × 483 (W) × 221 (H) mm³, 30 kg	 463 (L) × 647.5 (W) × 897 (H) mm³, 55 kg

1 Both internal trigger and external trigger are acceptable.

2 Energy can be adjusted by touch screen.

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