

DPS-532-H/5-10mJ

SPECIFICATIONS

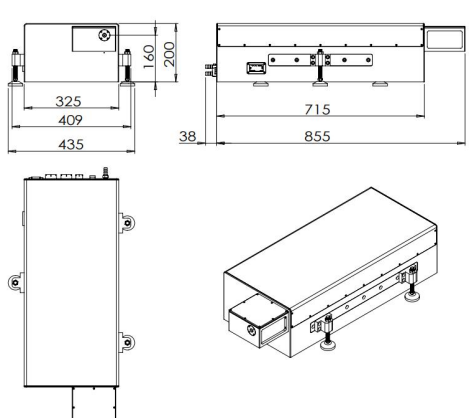
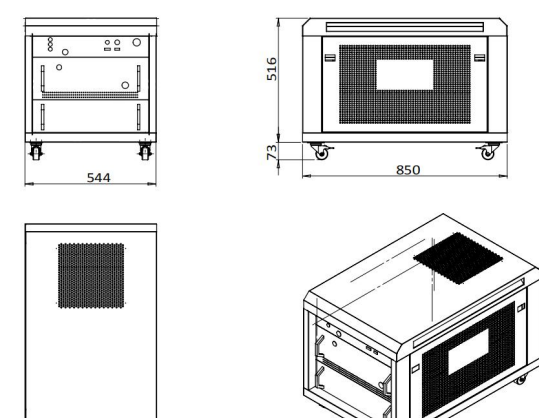
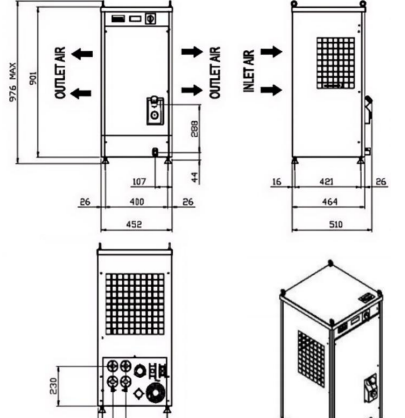
**HIGH ENERGY DIODE PUMPED
ALL-SOLID-STATE
Q-SWITCHED LASER**

High energy diode pumped all solid state Q-switched laser at 532nm 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, Space debris detection, scientific research, laser processing, and so on.



Wavelength (nm)	532±1
Operating mode	Actively
Single pulse energy (mJ)	5-10
Pulse duration (ns)	<4
Jitter (ns, sdev)	<1ns (Int.)
Rep. rate ¹	1-1000Hz
Energy stability (std dev/mean)	<5%, <3%
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 (°C)	15-35
Power supply (110/220VAC)	PSU-DPS-H
Expected lifetime (pulses)	10 ⁹
Available options	Repetition rate 1-200KHz



LASER HEAD	POWER SUPPLY ²	WATER CHILLER (WCH-3600)
 893 (L) × 435(W) × 200(H) mm³, 66 kg	 850 (L) × 544(W) × 589(H) mm³, 90 kg	 510(L) × 452(W) × 976(H) mm³, 60 kg

¹ Both internal trigger and external trigger are acceptable. One fixed value between 1-1000Hz.

² Energy can be adjusted by touch screen.

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