

DPS-355-Q/1-10mJ

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

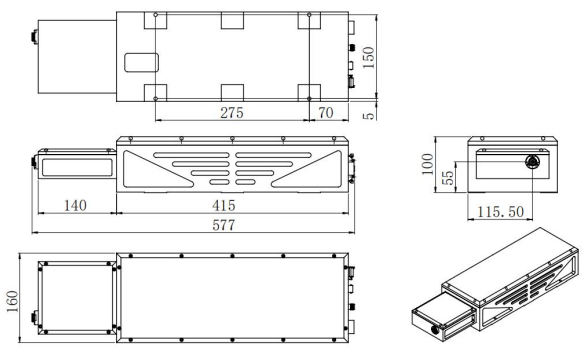
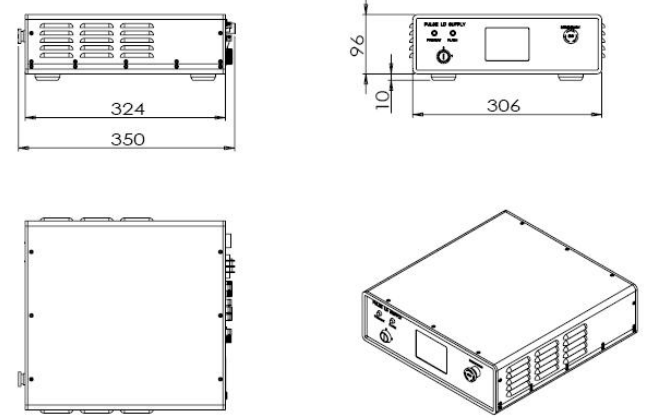
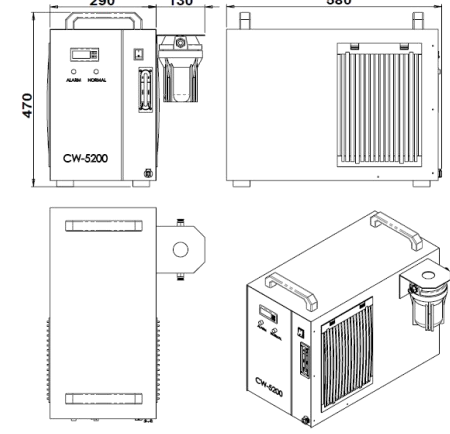
High energy diode pumped all solid state Q-switched laser at 355nm has the features of high single pulse energy , short pulse duration , and high peak power , which is widely used in LIBS, LIF, PIV, ICP-MS, LCD repair, scientific research, laser processing, and so on.



SPECIFICATIONS

Wavelength (nm)	355±1		
Operating mode	Actively		
Single pulse energy (mJ)	1-2	2-5	5-10
Pulse duration (ns)	<10		
Jitter (ns, sdev)	<1ns (Int.)		
Rep. rate ¹	1-100Hz (adjustable)		
Energy stability (std dev/mean)	<5%, <3%		
Beam divergence, full angle (mrad)	<3		
Beam diameter (mm)	~2	~2.5	~3
Warm-up time (minutes)	<15		
Beam height from base plate (mm)	55		
Cooled method	Water cooled		
Operating temperature (°C)	15-30		
Power supply (110/220VAC)	PSU-DPS-Q		
Expected lifetime (pulses)	10 ⁹		



LASER HEAD	POWER SUPPLY ²	WATER CHILLER (WCH-1500)
 577 (L) × 160 (W) × 100 (H) mm³, 10 kg	 350 (L) × 306 (W) × 106 (H) mm³, 6 kg	 580 (L) × 290 (W) × 470 (H) mm³, 24 kg

1 Both internal trigger and external trigger are acceptable.

2 Rep. Rate and current can be adjusted by touch screen.

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