

LPS-355-S/10-80mJ

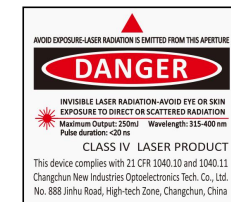
HIGH ENERGY LAMP PUMPED SOLID STATE Q-SWITCHED LASER

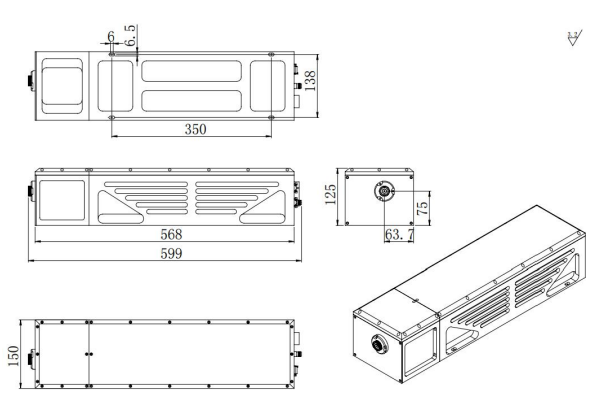
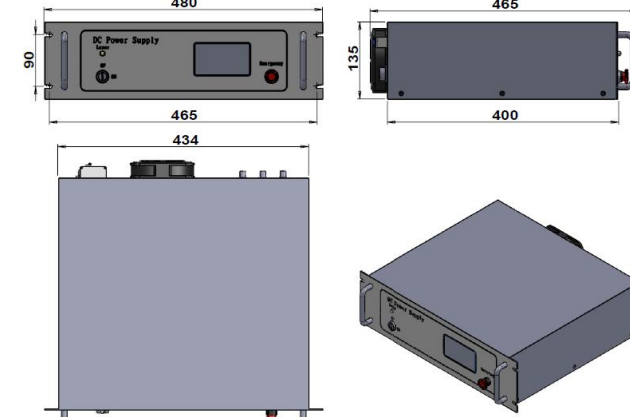
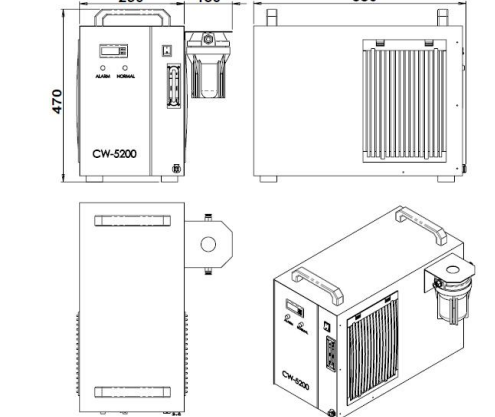
High energy lamp pumped solid state Q-switched laser at 355nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, PIV, ICP-MS, LCD repair, scientific research, laser processing, and so on.



SPECIFICATIONS

Wavelength (nm)	355±1
Operating mode	Actively
Single pulse energy (mJ)	10-80
Pulse duration (ns)	<10
Jitter (ns, sdev)	<1ns (Int.)
Rep. rate ¹	1-10Hz (adjustable), single shot (optional)
Energy stability (std dev/mean)	<5%, <3%
Warm-up time (minutes)	<15
Beam divergence, full angle (mrad)	<3
Beam diameter (mm)	~7
Beam height from base plate (mm)	75
Cooled method	Water cooled
Operating temperature (°C)	15-35
Power supply (110/220VAC)	PSU-LPS-S (3U)
Expected lifetime (pulses)	10 ⁷ -10 ⁸
Available options ²	Repetition rate≤20Hz; Accessories;



LASER HEAD	POWER SUPPLY ³	WATER CHILLER (WCH-1500)
 599(L)×150(W)×125(H) mm³, 15kg	 480 (L) × 465 (W) × 135 (H) mm³, 15kg	 580 (L) × 290 (W) × 470 (H) mm³, 24 kg

1 Both internal trigger and external trigger are acceptable.

2 Accessories include lamp and attenuator.

3 Rep. Rate and Voltage can be adjusted by touch screen.

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