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.

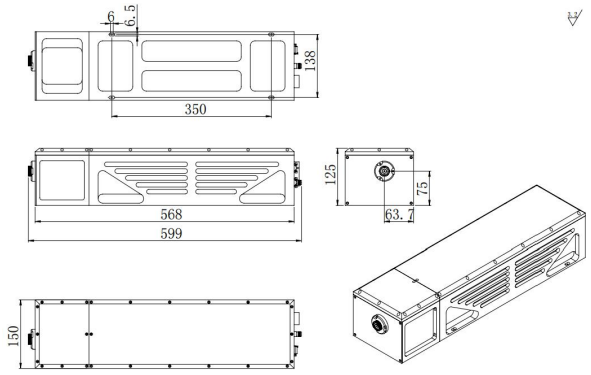
SPECIFICATIONS

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 (℃)	15-35
Power supply (110/220VAC)	PSU-LPS-S (3U)
Expected lifetime (pulses)	10^7-10^8
Available options[2]	Repetition rate≤20Hz;Accessories;



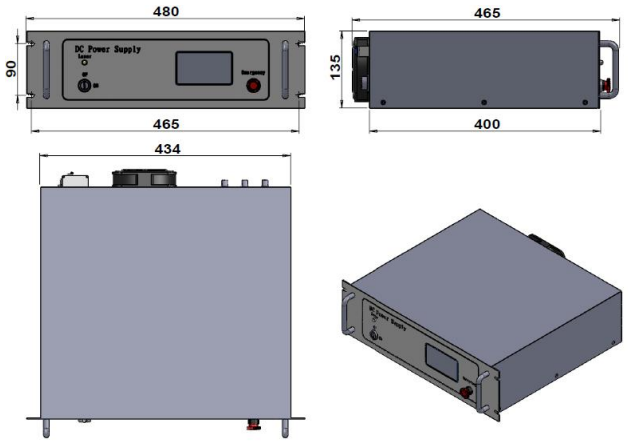


LASER HEAD



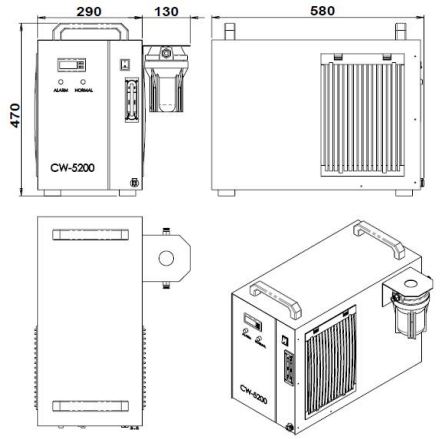
599(L) ×150 (W) ×125 (H) mm³, 15kg

POWER SUPPLY[3]



480 (L) ×465 (W) ×135 (H) mm³, 15kg

WATER CHILLER (WCH-1500)



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.