LPS-532-S/30-150mJ

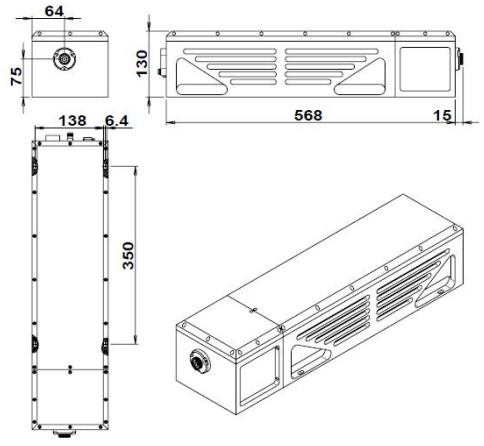
HIGH ENERGY LAMP PUMPED SOLID STATE Q-SWITCHED LASER

High energy lamp pumped solid state Q-switched laser at 532nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in PIV, LIF, LIBS, ICP-MS, Raman, scientific research, and so on.

SPECIFICATIONS

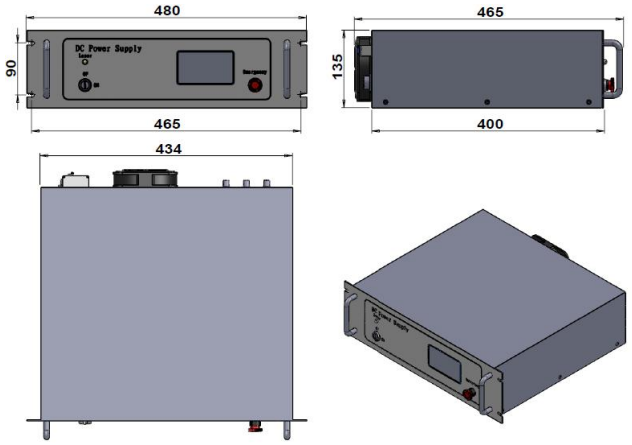
Wavelength (nm)	532±1	
Operating mode	Actively	
Single pulse energy (mJ)	30-100	100-150
Pulse duration (ns)	<10	<8
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate [1]	1-10Hz (adjustable), single shot (optional)	
Energy stability (std dev/mean)	<5%, <3%, <2%	
Warm-up time (minutes)	<15	
Beam divergence, full angle (mrad)	~1	<3
Beam diameter (mm)	<6	~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



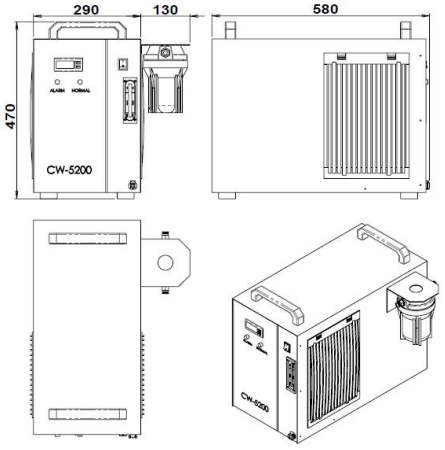
568(L) ×150(W) ×130(H) mm³, 14kg

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.