

LPS-1064-S/50-300mJ

SPECIFICATIONS

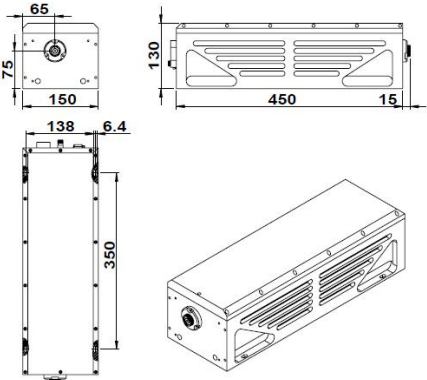
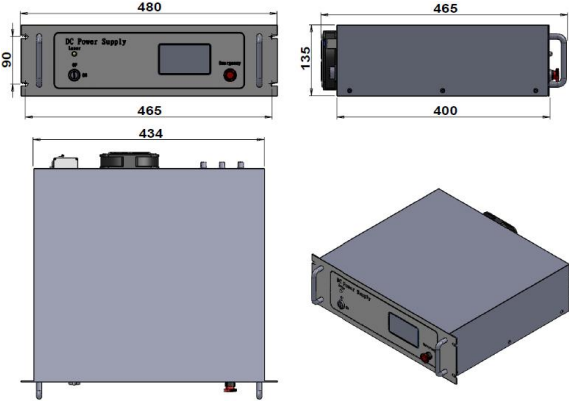
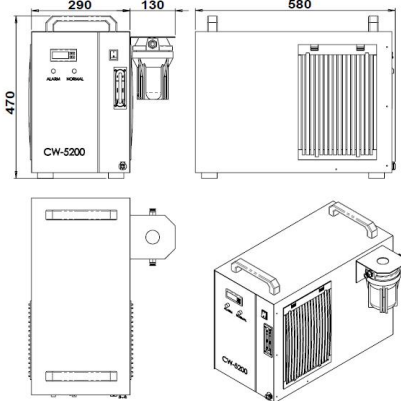
HIGH ENERGY LAMP PUMPED SOLID STATE Q-SWITCHED LASER

High energy lamp pumped solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in in PIV, LIF, LIBS, ICP-MS, Raman, scientific research, and so on.



Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	50-100	100-300
Pulse duration (ns)	<10	<8
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate ¹	1-10Hz (adjustable), single shot (optional)	
Energy stability (std dev/mean)	<3%, <2%, <1%	
Beam divergence, full angle (mrad)	~1	<3
Beam diameter (mm)	<6	~7
Warm-up time (minutes)	<15	
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)
 450(L) × 150(W) × 130(H) mm³, 14kg	 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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