

LPS-1064-L/300-1000mJ

SPECIFICATIONS

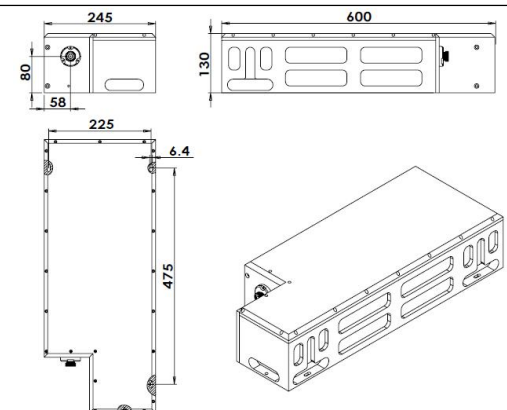
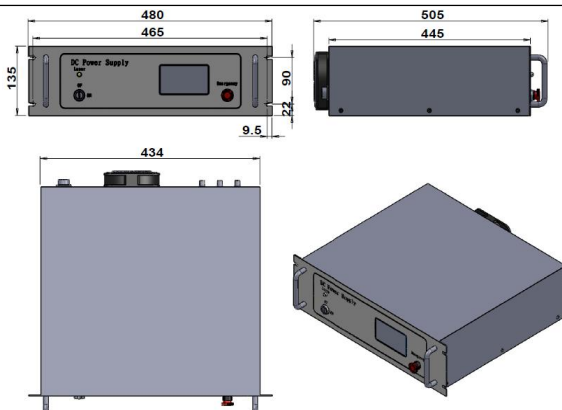
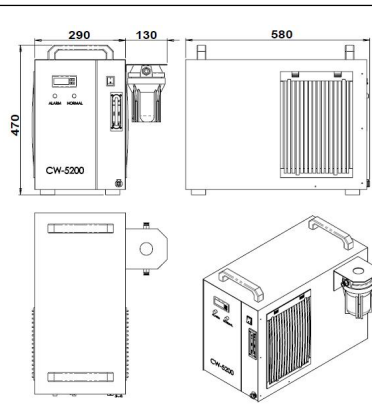
**HIGH ENERGY LAMP
PUMPED SOLID STATE
Q-SWITCHED LASER**

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 PIV, LIF, LIBS, ICP-MS, Raman, scientific research, and so on.



Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	300-500	500-1000
Pulse duration (ns)	<10	<8
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate ¹	1-10Hz (adjustable), single shot (optional)	
Energy stability (std dev/mean)	<2%, <1%, (<0.5% optional)	
Beam divergence, full angle (mrad)	~1	<3
Beam diameter (mm)	~7	~9
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	80	
Cooled method	Water cooled	
Operating temperature (°C)	15-35	
Power supply (110/220VAC)	PSU-LPS-L(3U)	
Expected lifetime (pulses)	10 ⁷ -10 ⁸	
Available options ²	Repetition rate≤20Hz;Accessories;	



LASER HEAD	POWER SUPPLY ³	WATER CHILLER (WCH-1500)
 600 (L) ×245(W) ×130(H) mm³, 24kg	 480 (L) ×505(W) ×135(H) mm³, 16 kg	 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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