

LPS-1064-A/50-200mJ

SPECIFICATIONS

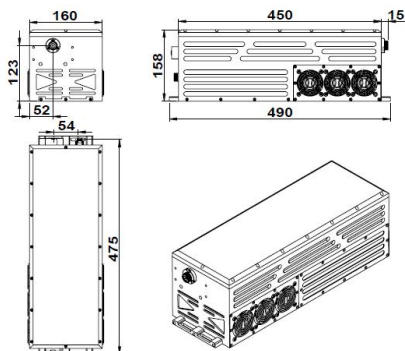
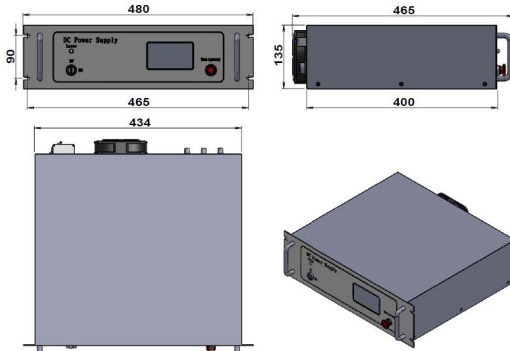
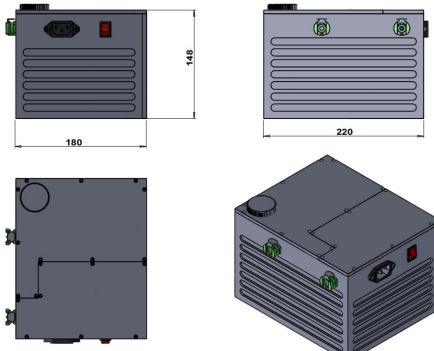
**HIGH ENERGY LAMP
PUMPED SOLID STATE
Q-SWITCHED LASER**

High energy lamp pumped solid state Q-switched laser at 1064nm has the features of high single pulse energy , short pulse duration, high peak power, and without water cooling machine, which is widely used in LIF, LIBS, ICP-MS, Raman, scientific research, and so on.



Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	50-100	100-200
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%, <2%	
Beam divergence, full angle (mrad)	~2	~1
Beam diameter (mm)	<6	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	123	
Cooled method	Closed-loop liquid cooling	
Operating temperature (°C)	20-25	
Power supply (110/220VAC)	PSU-LPS-A(3U)	
Expected lifetime of lamp (pulses)	10 ⁷ -10 ⁸	
Available options ²	Accessories	



LASER HEAD	POWER SUPPLY ³	Cooling Liquid Exchange Equipment ⁴
 490 (L) ×160(W) ×153(H) mm³, 15 kg	 480 (L) ×465(W) ×135(H) mm³, 15 kg	 220 (L) ×180(W) ×148(H) mm³, 5 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.

4 Only needed when changing the coolant.

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