

LPS-532-A/20-100mJ

SPECIFICATIONS

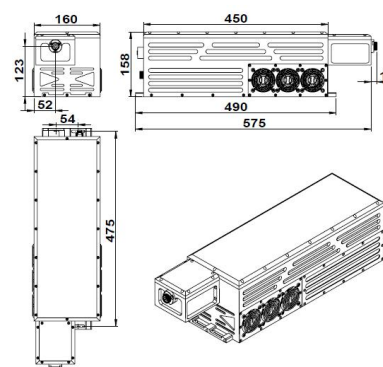
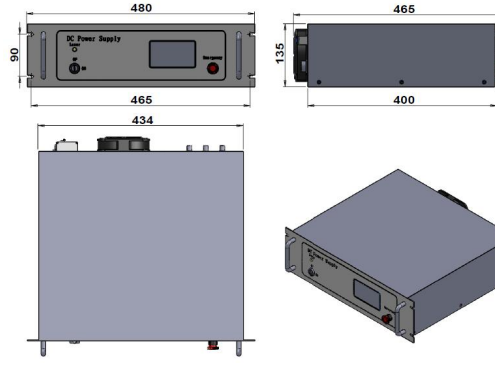
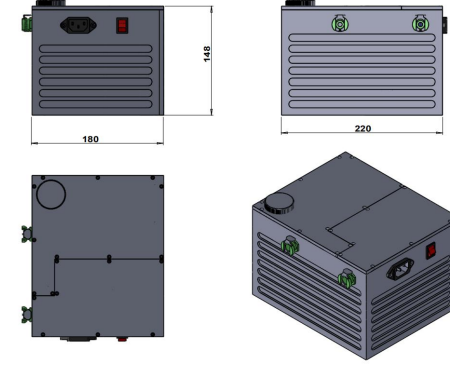
**HIGH ENERGY LAMP
PUMPED SOLID STATE
Q-SWITCHED LASER**

High energy lamp pumped solid state Q-switched laser at 532nm has the features of high single pulse energy, short pulse duration, 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)	532±1	
Operating mode	Actively	
Single pulse energy (mJ)	20-50	50-100
Pulse duration (ns)	<12	<10
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate ¹	1-10Hz (adjustable), single shot (optional)	
Energy stability (std dev/mean)	<5% , <3% ,(<2% optional)	
Beam divergence, full angle (mrad)	~1.5	~1.0
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
 575 (L) ×160(W) ×160(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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